

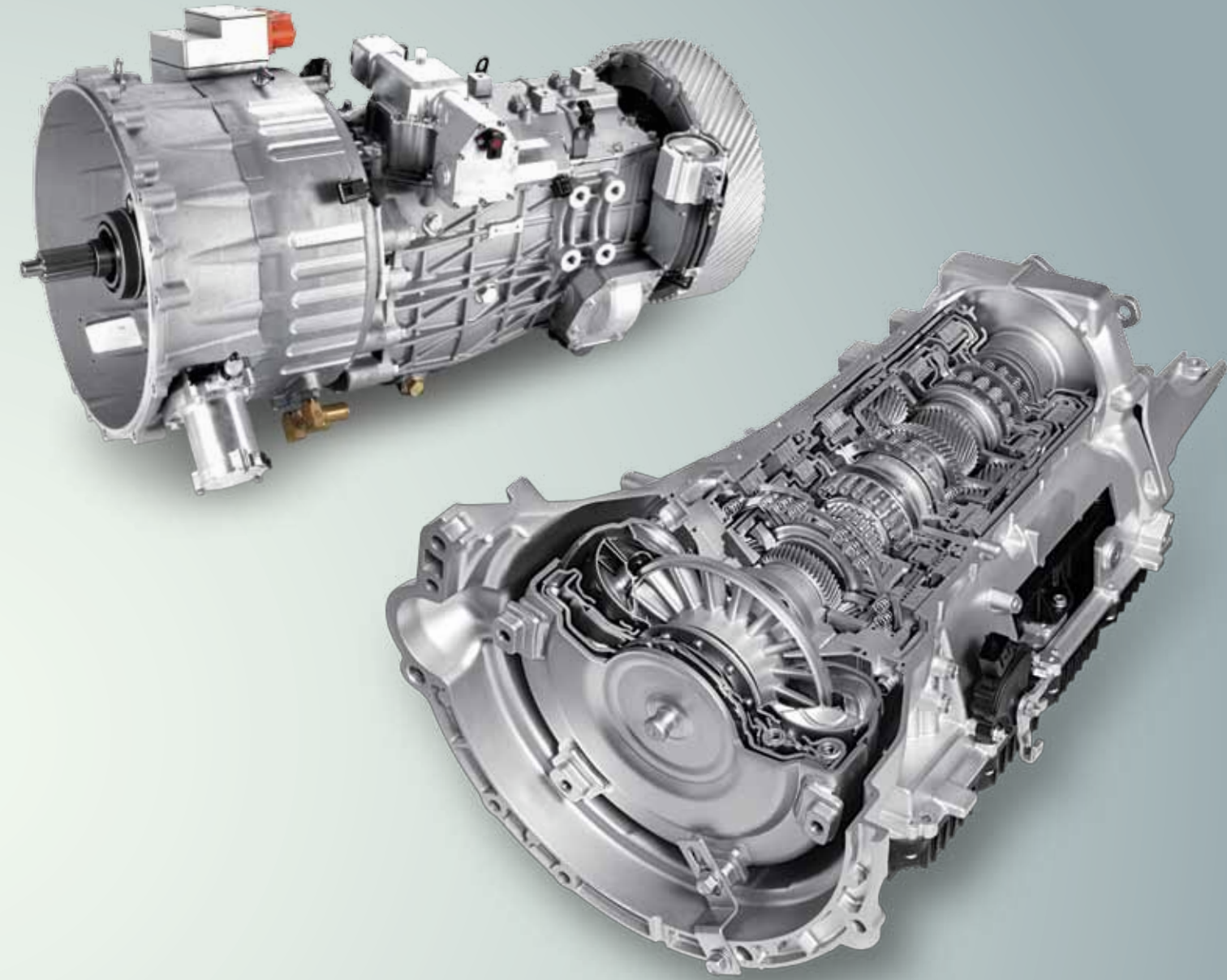
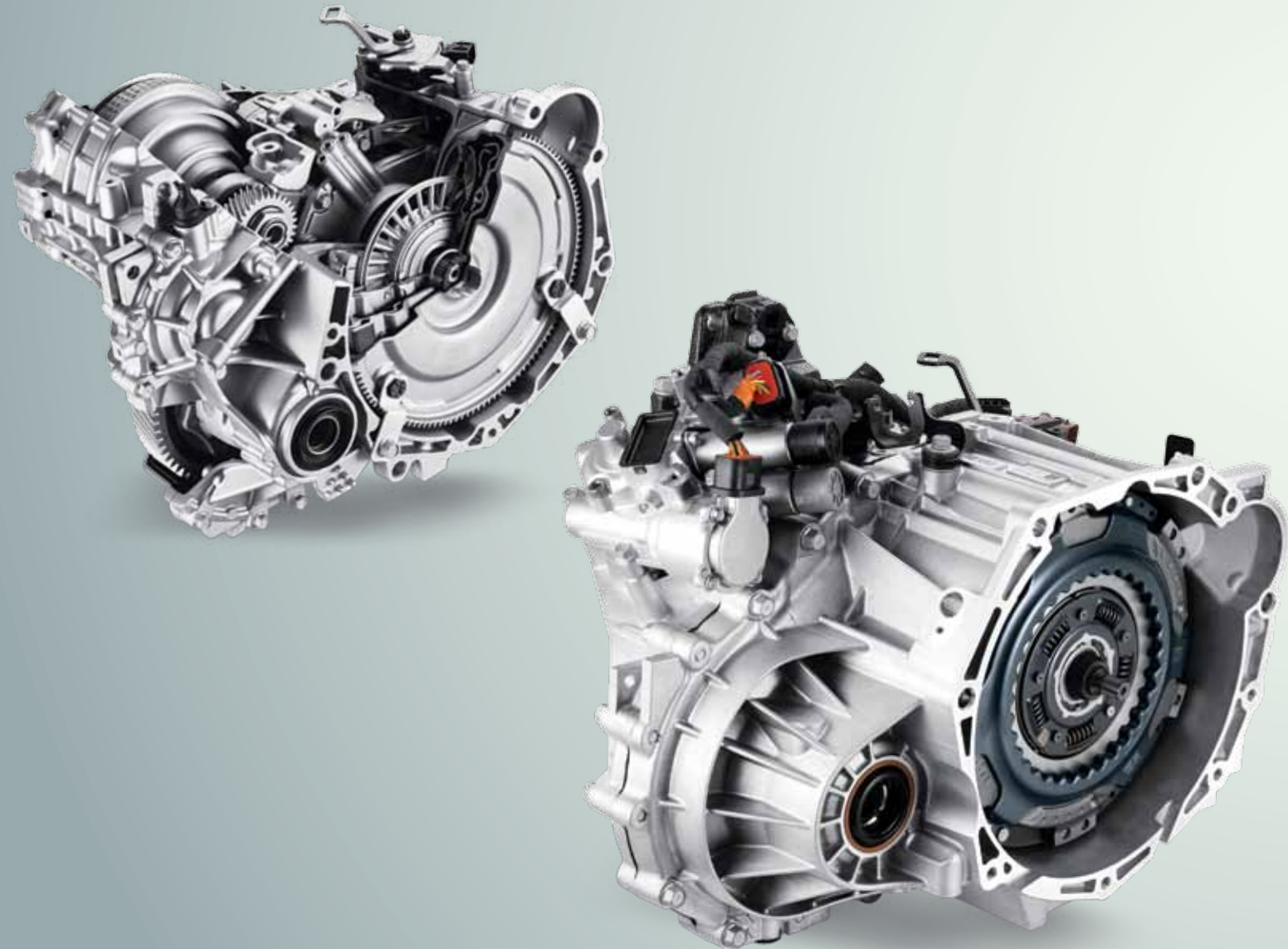
TRANSMISSION

Progressive transmission based on the innovative designs.

生产基于创新设计的先进变速器

The unique design competency and technical know-how of Hyundai Transys ensure durability of the products and high performance of the vehicles.

现代坦迪斯精湛的设计与专业的技术支持，保证了变速器的动力传递与汽车安全的完美配合。



Hyundai Transys Transmissions

Hyundai Transys transmissions are light, quiet and durable. Hyundai Transys has a full line up for all types of vehicles. They perform optimally in all driving conditions and provide a highly reliable driving experience. The transmissions react immediately to drivers' demands to ensure a gentle, yet dynamic feeling of the gear shift, which ultimately reduces drivers' fatigue. They guarantee a safe and comfortable driving in any conditions.

现代坦迪斯的变速器轻量，持久，低噪音，可适用于轿车，SUVs，客车与卡车的的所有车型。在任何行驶情况下都能发挥最佳性能，实现可靠性驾驶。

可随时反映驾驶人的要求，以柔和的变速感减少疲劳，即使在恶劣的条件下都能实现安全舒适的驾驶。

Advanced & Comfortable

TRANSMISSION MODEL LINE-UP



[PASSENGER CAR]

Category	Model	Torque (kg-m)	Speed	Housing	Customer	Application
AT FF	A4F12	12.5	4 speed	Aluminum Die-Casting	HYUNDAI / KIA	RAY / MORNING
	A4F16	15.5	4 speed		HYUNDAI / KIA	ACCENT
	A4F23	23.5	4 speed		-	-
	A5F16	15.5	5 speed		-	-
	A5F23	23.5	5 speed		-	-
	A6F17	17	6 speed		HYUNDAI	AVANTE
	A6F18	18	6 speed		-	-
	A6F22	22	6 speed		HYUNDAI / KIA	SONATA / K5 / SPORTAGE
	A6F24	23.5	6 speed		-	-
	A6F27	27	6 speed		HYUNDAI / KIA	TUCSON / SPORTAGE
	A6F30	30	6 speed		-	-
	A6F33	33.5	6 speed		-	-
	A6F36	36.5	6 speed		HYUNDAI / KIA	SORENTO / SPORTAGE
	A8F27	27	8 speed		HYUNDAI / KIA	SONATA / K7
A8F36	36.5	8 speed	HYUNDAI / KIA	K7 / SPORTAGE / TUCSON / SANTAFE		
A8F42	42	8 speed	KIA	SORENTO / CARNIVAL		
AT FR	A5R25	25	5 speed	Aluminum Die-Casting	-	-
	A5R35	35	5 speed		HYUNDAI / KIA	PORTER / BONGO
	A5R45	45	5 speed		HYUNDAI / KIA	STAREX
	A8R40	40	8 speed		HYUNDAI / KIA	GENESIS / STINGER / K9
	A8R50	50	8 speed		HYUNDAI / KIA	GENESIS / STINGER / K9
DCT	D7F22	28.5	7 speed	Aluminum Die-Casting	HYUNDAI / KIA	SONATA / AVANTE / TUCSON / K5
	D7F34	12.5	7 speed		HYUNDAI / KIA	ACCENT / AVANTE / PRIDE
CVT	CF11	10.5	-	Aluminum Die-Casting	HYUNDAI / KIA	MORNING / RAY
	CF14	14			HYUNDAI / KIA	ACCENT / i20
	CF18	18			HYUNDAI / KIA	AVANTE / K3 / SOUL
HYBRID	A6F28H	28.5	6 Speed	Aluminum Die-Casting	HYUNDAI / KIA	SONATA HYBRID / K5 HYBRID
	D6F27H	27	6 Speed		HYUNDAI / KIA	IONIC / NIRO

MODEL CODE

ex) **A6F23##**
 ① ② ③ ④ ⑤

- ①. A:AT, M:MT, S:AMT, D:DCT, C:CVT
G:Gear Reduction, E:EST, T:TOD
- ②. Speed
- ③. F:Front-Wheel Drive
R:Rear-Wheel Drive
- ④. Max Torque
- ⑤. S:Shorten, D:Dry, W:Wet, H:HEV, M:MHEV



[PASSENGER CAR]

Category	Model	Torque (kg-m)	Speed	Housing	Customer	Application		
MT FF	M5F13	13.5	5 Speed	Aluminum Die-Casting	KIA	MORNING / PRIDE		
	M5F14	14.6	5 Speed		HYUNDAI	VERNA		
	M5F16	17.5	5 Speed		HYUNDAI KIA	VERNA / i30 / AVANTE K2 / FORTE SPORTAGE		
	M5F19	19	5 Speed		HYUNDAI KIA	AVANTE CERATO		
	M5F25	25	5 Speed		HYUNDAI KIA	SONATA / TUCSON OPTIMA / SPORTAGE		
	M6F17	17.5	6 Speed		HYUNDAI KIA	AVANTE SOUL / K3		
	M6F28-1	28	6 Speed		HYUNDAI KIA	SONATA / TUCSON K5 / SPORTAGE		
	M6F28-2	28	6 Speed		HYUNDAI KIA	SONATA / TUCSON K5 / SPORTAGE		
	M6F44	44	6 Speed		HYUNDAI KIA	SANTAFE / CARNIVAL		
	MT FR	M5R18	18		5 Speed	Aluminum Die-Casting	KIA	BONGO
		M5R23	23		5 Speed		HYUNDAI	PORTER
		M5R26	25.5		5 Speed		HYUNDAI	STAREX
M6R26		26	6 Speed	HYUNDAI KIA	BONGO / PORTER			
M5R32		32	5 Speed	UAZ	PATRIOT			
M6R34		33.7	6 Speed	SANGHAI	SV71			
M5R36		35.7	5 Speed	SSANGYOUNG	RODIUS			
M6R37		36	6 Speed	HYUNDAI	STAREX			
M6R37		36	6 Speed	SSANGYOUNG	ACTYON SPORT			



[TRUCK]

Category	Model	Torque (kg-m)	Speed	Housing	Customer	Application
LIGHT DUTY (2.5~4.5ton)	M5R26	26	5 Speed	Iron Casting	HYUNDAI	MIGHTY COUNTY
	M5R30	30	5 Speed			
	M5R40	40	5 Speed			
	M6R45	45	6 Speed	Aluminum Die-Casting	HYUNDAI	SOLATI
	M5R62	62	5 Speed		HYUNDAI	MIGHTY COUNTY
	M6R60	60	6 Speed			
MEDIUM DUTY (4.5~7ton)	M6R52	52	6 Speed	Iron Casting Aluminum Die-Casting	HYUNDAI	MEGA TRUCK
	M6R65	65	6 Speed	Iron Casting	HYUNDAI	
	M6R86	86	6 Speed	Iron Casting Aluminum Die-Casting	HYUNDAI	MEGA TRUCK
	M6R95	95	6 Speed	Iron Casting Aluminum Die-Casting	HYUNDAI	MEGA TRUCK
HEAVY DUTY (8~25.5ton)	M6R110	110	6 Speed	Iron Casting	HYUNDAI	CARGO (8,15ton)
	M6R120	120	6 Speed		HYUNDAI	CARGO (8ton)
	M6R148	148	6 Speed		HYUNDAI	CARGO (11ton)
	M6R160-1	160	6 Speed	Aluminum Die-Casting	HYUNDAI	CARGO (15ton)
	M10R160	160	10 Speed	Aluminum Die-Casting	HYUNDAI	TRACTOR
	M6R160-2	160	6 Speed		HYUNDAI	CARGO (11.5,19ton) DUMP MIXER (15ton)
	M12R204	204	12 Speed		HYUNDAI	TRACTOR (6x2, 6x4, 4x2) DUMP (15, 24, 25.5ton) CARGO (6x4, 8x4, 10x4)
	M16R204	204	16 Speed	Aluminum Die-Casting	HYUNDAI	
	M12R235	235	12 Speed	Aluminum Sand-Casting		



[BUS]


Category	Model	Torque (kg-m)	Speed	Housing	Customer	Application
CITY BUS	M5R65	65	5 Speed	Iron Casting	HYUNDAI	AEROTOWN
	M5R90	90	5 Speed	Iron Casting	HYUNDAI	AERO CITY
	M5R100	100	5 Speed		HYUNDAI	GLOBAL 900
	M5R120	120	5 Speed		Aluminum Die-Casting	HYUNDAI
	M5R110	110	5 Speed	Aluminum Sand-Casting		
	M6R130	130	6 Speed		HYUNDAI	UNICITY
M5R140	140	5 Speed	HYUNDAI DAEWOO		UNIVERSE AERO CITY BH116/ FX212	
EXPRESS BUS	M5R148	148	5 Speed	Aluminum Die-Casting	HYUNDAI	UNIVERSE
	M5R160	160	5 Speed	Aluminum Gravity Die-Casting	HYUNDAI KIA	UNIVERSE GRANBIRD
	M6R214	214	6 Speed		HYUNDAI	UNIVERSE
S6R214	214	6 Speed				
HYBRID BUS	S6R130H	130	6 Speed	Aluminum Sand-Casting	HYUNDAI	BLUE CITY
HYBRID TRUCK	S6R86H	86	6 Speed	Aluminum Die-Casting		

AT FF 

A4F12

Torque	12.5 (kg-m)	
Ratio	1st	2.919
	2nd	1.551
	3rd	1.000
	4th	0.713
	REV	2.480


Weight (Dry)	58.6 (kg)
Overall Length	357 / 374 (mm) (2WD / 4WD)
Center Distance	172 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan)

A4F16

Torque	15.5 (kg-m)	
Ratio	1st	2.919
	2nd	1.551
	3rd	1.000
	4th	0.713
	REV	2.480


Weight (Dry)	73.9 (kg)
Overall Length	374 (mm)
Center Distance	189 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan)

A4F23

Torque	23.5 (kg-m)	
Ratio	1st	2.919
	2nd	1.551
	3rd	1.000
	4th	0.713
	REV	2.480

Weight (Dry)	74.1 (kg)
Overall Length	374 (mm)
Center Distance	189 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan)



AT FF 

A5F16

Torque	15.5 (kg-m)	
Ratio	1st	3.939
	2nd	2.093
	3rd	1.349
	4th	0.962
	5th	0.713
	REV	3.347

Weight (Dry)	83.5 (kg)
Overall Length	370 (mm)
Center Distance	172 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan)

A5F23

Torque	23.5 (kg-m)	
Ratio	1st	3.939
	2nd	2.093
	3rd	1.349
	4th	0.962
	5th	0.713
	REV	3.347

Weight (Dry)	87.4 (kg)
Overall Length	378 (mm)
Center Distance	189 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan)



AT FF 

A6F17

Torque	17 (kg-m)	
Ratio	1st	4.400
	2nd	2.726
	3rd	1.834
	4th	1.392
	5th	1.000
	6th	0.775
	REV	3.440

Weight (Dry)	72.7 (kg)
Overall Length	370.6 (mm)
Center Distance	186 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan) America (Georgia) China (Rizhao) Mexico (Monterrey)

A6F18

Torque	18 (kg-m)	
Ratio	1st	4.400
	2nd	2.726
	3rd	1.834
	4th	1.392
	5th	1.000
	6th	0.775
	REV	3.440

Weight (Dry)	70.7 (kg)
Overall Length	365 (mm)
Center Distance	186 / 204 (mm) (2WD / 4WD)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan) America (Georgia) China (Rizhao) Mexico (Monterrey)



AT FF 

A6F22

Torque	22 (kg-m)	
Ratio	1st	4.400
	2nd	2.726
	3rd	1.834
	4th	1.392
	5th	1.000
	6th	0.775
	REV	3.440


Weight (Dry)	75.9 (kg)
Overall Length	370.6 (mm)
Center Distance	186 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan) America (Georgia) China (Rizhao) Mexico (Monterrey)

A6F24

Torque	23.5 (kg-m)	
Ratio	1st	4.639 4.162
	2nd	2.826 2.575
	3rd	1.841 1.772
	4th	1.386 1.369
	5th	1.000 1.000
	6th	0.772 0.778
	REV	3.385 3.500


Weight (Dry)	79.9 (kg)
Overall Length	369.6 / 377 (mm) (2WD / 4WD)
Center Distance	189 / 204 (mm) (2WD / 4WD)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan) America (Georgia) China (Rizhao) Mexico (Monterrey)

A6F27

Torque	27 (kg-m)	
Ratio	1st	4.639 4.162
	2nd	2.826 2.575
	3rd	1.841 1.772
	4th	1.386 1.369
	5th	1.000 1.000
	6th	0.772 0.778
	REV	3.385 3.500

Weight (Dry)	80.7 (kg)
Overall Length	377 (mm)
Center Distance	189 / 204 (mm) (2WD / 4WD)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan) America (Georgia) China (Rizhao)




AT FF 

A6F30

Torque	30 (kg-m)	
Ratio	1st	4.639
	2nd	2.826
	3rd	1.841
	4th	1.386
	5th	1.000
	6th	0.772
	REV	3.385


Weight (Dry)	82.1 (kg)
Overall Length	377 (mm)
Center Distance	189/204 (mm) (2WD / 4WD)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan) China (Rizhao)

A6F33

Torque	33.5 (kg-m)	
Ratio	1st	4.252 4.651
	2nd	2.654 2.831
	3rd	1.804 1.842
	4th	1.386 1.386
	5th	1.000 1.000
	6th	0.772 0.772
	REV	3.393 3.393


Weight (Dry)	91 (kg)
Overall Length	386 (mm)
Center Distance	207 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan)

A6F36

Torque	36.5 (kg-m)	
Ratio	1st	4.651 4.252
	2nd	2.831 2.654
	3rd	1.842 1.804
	4th	1.386 1.386
	5th	1.000 1.000
	6th	0.772 0.772
	REV	3.393 3.393

Weight (Dry)	93.5 (kg)
Overall Length	386 (mm)
Center Distance	207 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan) China (Rizhao)




AT FF 

A8F27

Torque	27 (kg-m)	
Ratio	1st	4.717
	2nd	2.906
	3rd	1.864
	4th	1.423
	5th	1.224
	6th	1.000
	7th	0.790
	8th	0.635
	REV	3.239


Weight (Dry)	82.3 (kg)
Overall Length	387.5 (mm)
Center Distance	189 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan) America (Georgia)

A8F36

Torque	36.5 (kg-m)	
Ratio	1st	4.808
	2nd	2.901
	3rd	1.864
	4th	1.424
	5th	1.219
	6th	1.000
	7th	0.799
	8th	0.648
	REV	3.425


Weight (Dry)	95.1 (kg)
Overall Length	403.5 (mm)
Center Distance	207 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan) America (Georgia)

A8F42

Torque	42 (kg-m)	
Ratio	1st	4.808
	2nd	2.901
	3rd	1.864
	4th	1.424
	5th	1.219
	6th	1.000
	7th	0.799
	8th	0.648
	REV	3.425

Weight (Dry)	98 (kg)
Overall Length	405.7 (mm)
Center Distance	207 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan) America (Georgia)




AT FR 

A5R25

Torque	25 (kg-m)	
Ratio	1st	3.827
	2nd	2.368
	3rd	1.520
	4th	1.000
	5th	0.834
	REV	2.613


Weight (Dry)	91 (kg)
Overall Length	809.3 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan)

A5R35

Torque	35 (kg-m)	
Ratio	1st	3.827
	2nd	2.368
	3rd	1.520
	4th	1.000
	5th	0.834
	REV	2.613


Weight (Dry)	93 (kg)
Overall Length	815.2 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan)

A5R45

Torque	45 (kg-m)	
Ratio	1st	3.827 3.731
	2nd	2.368 2.308
	3rd	1.520 1.520
	4th	1.000 1.000
	5th	0.834 0.841
	REV	2.613 2.740

Weight (Dry)	98 (kg)
Overall Length	828.7 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan)



AT FR 

A8R40

Torque	40 (kg-m)	
Ratio	1st	3.964 3.665
	2nd	2.468 2.396
	3rd	1.610 1.610
	4th	1.176 1.190
	5th	1.000 1.000
	6th	0.832 0.826
	7th	0.652 0.643
	8th	0.565 0.556
	REV	2.273 2.273

Weight (Dry)	72.8 (kg)
Overall Length	692 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan)

A8R50

Torque	53 (kg-m)	
Ratio	1st	3.665
	2nd	2.396
	3rd	1.610
	4th	1.190
	5th	1.000
	6th	0.826
	7th	0.643
	8th	0.556
	REV	2.273

Weight (Dry)	80.3 (kg)
Overall Length	675.2 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	Korea (Seosan)




DCT 

D7F22

Torque	22 (kg-m)	
Ratio	1st	3.813
	2nd	2.261
	3rd	1.957
	4th	1.073
	5th	0.837
	6th	0.902
	7th	0.756
	REV	5.101
Synchro-Type	1/2/3rd	Triple
	4/5/6/7th	Single
	REV	Single

Weight	70.8 (kg)
Clutch Size	∅ 220 × 135 (mm)
	∅ 215 × 135 (mm)
Center Distance	189
Control Type	Electronic G.A
Parking Brake	Parking gear

Shift Pattern	
	Korea(Seosan) China(Beijing)
Location	Korea(Seosan) China(Beijing)



D7F34

Torque	34 (kg-m)	
Ratio	1st	3.929
	2nd	2.314
	3rd	2.043
	4th	1.07
	5th	0.822
	6th	0.884
	7th	0.721
	REV	5.304
Synchro-Type	1/2/3rd	Triple
	4/5/6/7th	Single
	REV	Single

Weight	79.8 (kg)
Clutch Size	∅ 235 × 140 (mm)
	∅ 228.6 × 140 (mm)
Center Distance	191
Control Type	Electronic G.A
Parking Brake	Parking gear

Shift Pattern	
	Korea(Seosan) China(Beijing)
Location	Korea(Seosan) China(Beijing)



CVT 

CF10

Torque	10.5 (kg-m)
Pulley Ratio	0.545 ~ 2.04
Step Gear Ratio (FWD1/FWD2/REV)	2.125 / 1.000 / 1.783
Pulley Drive Type	Belt
Weight (Dry)	61 (kg)

Overall Length	355.7 (mm)
Center Distance	165 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
	Korea (Seosan)
Location	Korea (Seosan)



CF14

Torque	14 (kg-m)
Pulley Ratio	0.545~2.04
Step Gear Ratio (FWD1/FWD2/REV)	2.125 / 1.000 / 1.783
Pulley Drive Type	Belt
Weight (Dry)	63 (kg)


Overall Length	357.2 (mm)
Center Distance	165 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
	Korea (Seosan)
Location	Korea (Seosan)

CF18

Torque	18 (kg-m)
Pulley Ratio	0.385 ~ 2.680
Step Gear Ratio (FWD / REV)	1.000 / 1.05
Pulley Drive Type	Chain
Weight (Dry)	70 (kg)

Overall Length	351 (mm)
Center Distance	186 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
	Korea (Seosan) China (Rizhao) Mexico (Monterrey)
Location	Korea (Seosan) China (Rizhao) Mexico (Monterrey)



HYBRID 

A6F28H

Torque	28.5 (kg-m)	
Ratio	1st	4.639
	2nd	2.826
	3rd	1.841
	4th	1.386
	5th	1.000
	6th	0.772
	REV	3.385

Weight (Dry)	125.5 (kg)
Overall Length	425 (mm)
Center Distance	204 (mm)
Shift Control	Electro Hydraulic

Shift Pattern	
Location	China (Rizhao)



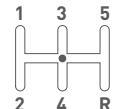
MT FF 

M5F13

Torque	13.5 (kg-m)	
Ratio	1st	3.545
	2nd	1.895
	3rd	1.192
	4th	0.906
	5th	0.719
	REV	3.636

Synchro-Type	1/2nd	Double
	3/4/5th	Single
	REV	Single

Weight	30.1 (kg)
Clutch Size	Ø 200×Ø140
Center Distance	172
Control Type	Remote
Parking Brake	None

Shift Pattern	
Location	Korea(Seosan)



D6F27H

Torque	27 (kg-m)	
Ratio	1st	3.867
	2nd	2.217
	3rd	1.371
	4th	0.93
	5th	0.956
	6th	0.767
	REV	5.351

Weight	106.1 (kg)
Clutch Size	Ø 225 × 138 (mm) Ø 220 × 135 (mm)
Center Distance	197
Control Type	Electronic G.A
Parking Brake	Parking gear

Synchro-Type	1/2/3/4th	Triple
	5/6th	Single
	REV	Single

Shift Pattern	
Location	Korea(Seosan)

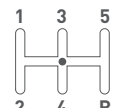


M5F14

Torque	14.6 (kg-m)	
Ratio	1st	3.615
	2nd	1.950
	3rd	1.286
	4th	1.031
	5th	0.825
	REV	3.250

Synchro-type	1/2nd	Double
	3/4/5th	Single
	REV	None

Weight	35.6 (kg)
Clutch Size	Ø 215×Ø145
Center Distance	188.85
Control Type	Remote
Parking Brake	None

Shift Pattern	
Location	Korea(Seosan)

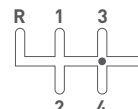


M5F16

Torque	17.5 (kg-m)	
Ratio	1st	3.615
	2nd	1.962
	3rd	1.286
	4th	0.971
	5th	0.839
	REV	3.545

Synchro-Type	1/2nd	Triple
	3/4/5th	Single
	REV	None

Weight	34.9 (kg)
Clutch Size	210×145
Center Distance	186
Control Type	Remote
Parking Brake	None

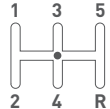
Shift Pattern	
Location	China(Beijing)



MT FF 

M5F19

Torque	19 (kg-m)	
Ratio	1st	3.615
	2nd	2.048
	3rd	1.393
	4th	1.061
	5th	0.837
	REV	3.250
Synchro-Type	1/2nd	Double
	3/4/5th	Single
	REV	None

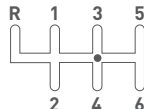
Weight	38 (kg)
Clutch Size	215×145
Center Distance	189
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan) China(Beijing)



MT FF 

M6F28-1

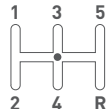
Torque	28 (kg-m)	
Ratio	1st	3.308
	2nd	1.962
	3rd	1.257
	4th	0.976
	5th	0.778
	6th	0.674
	REV	3.583
Synchro-Type	1/2nd	Triple
	3/4/5/6th	Single
	REV	None

Weight	43 (kg)
Clutch Size	235×155
Center Distance	189
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	China(Beijing)



M5F25

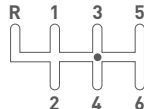
Torque	25 (kg-m)	
Ratio	1st	3.636
	2nd	2.080
	3rd	1.296
	4th	0.943
	5th	0.778
	REV	3.455
Synchro-Type	1/2nd	Triple
	3/4/5th	Single
	REV	None

Weight	49.4 (kg)
Clutch Size	235×155
Center Distance	204
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	China(Beijing)



M6F28-2

Torque	28 (kg-m)	
Ratio	1st	3.615
	2nd	2.080
	3rd	1.323
	4th	1.027
	5th	0.884
	6th	0.744
	REV	3.000
Synchro-Type	1/2nd	Triple
	3/4/5/6th	Single
	REV	Double

Weight	45.5 (kg)
Clutch Size	235×155
Center Distance	189
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	China(Beijing)



M6F17

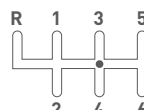
Torque	17.5 (kg-m)	
Ratio	1st	3.769
	2nd	2.045
	3rd	1.370
	4th	1.036
	5th	0.794
	6th	0.688
	REV	3.700
Synchro-Type	1/2nd	Triple
	3/4/5/6th	Single
	REV	None

Weight	35.9 (kg)
Clutch Size	210×145
Center Distance	186
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	China(Beijing)



M6F44

Torque	44 (kg-m)	
Ratio	1st	3.538
	2nd	1.909
	3rd	1.179
	4th	0.814
	5th	0.737
	6th	0.628
	REV	3.910
Synchro-type	1/2/3rd	Triple
	4/5th	Double
	6th	Single
	REV	Triple

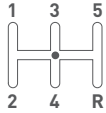
Weight	63.5 (kg)
Clutch Size	∅260×∅160
Center Distance	210
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



MT FR 

M5R18

Torque	18 (kg-m)	
Ratio	1st	4.117
	2nd	2.272
	3rd	1.425
	4th	1.000
	5th	0.871
	REV	3.958
Synchro-type	1/2/3/4/5th	Single
	REV	Single

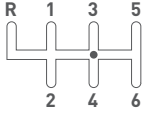
Weight	40 (kg)
Clutch Size	Ø240×Ø160
Center Distance	73
Control Type	Remote
Parking Brake	7.09" (180)
Shift Pattern	
Location	Korea(Seosan)



MT FR 

M6R26

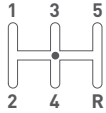
Torque	26 (kg-m)	
Ratio	1st	4.271
	2nd	2.248
	3rd	1.364
	4th	1.000
	5th	0.823
	6th	0.676
	REV	3.814
Synchro-type	1/2/5th	Triple
	6th	Double
	3/4 th	Single
	REV	Triple

Weight	43.2 (kg)
Clutch Size	Ø250×Ø170
Center Distance	76
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



M5R23

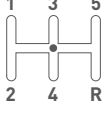
Torque	23 (kg-m)	
Ratio	1st	4.271
	2nd	2.282
	3rd	1.414
	4th	1.000
	5th	0.813
	REV	3.814
Synchro-type	1/2nd	Double
	3/4/5th	Single
	REV	Single

Weight	42.3 (kg)
Clutch Size	Ø240×Ø150
Center Distance	79.348
Control Type	Remote
Parking Brake	NONE
Shift Pattern	
Location	Korea(Seosan)



M5R32

Torque	32 (kg-m)	
Ratio	1st	4.155
	2nd	2.265
	3rd	1.428
	4th	1.000
	5th	0.880
	REV	3.827
Synchro-Type	1/2nd	Triple
	3/4/REV	Double
	5th	Single

Weight	48 (kg)
Clutch Size	Ø240×Ø160
Center Distance	86.025
Control Type	Direct
Parking Brake	None
Shift Pattern	
Location	China (Rizhao)



M5R26

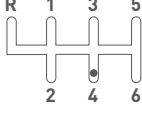
Torque	25.5 (kg-m)	
Ratio	1st	4.271
	2nd	2.282
	3rd	1.414
	4th	1.000
	5th	0.813
	REV	3.814
Synchro-Type	1/2nd	Triple
	3/4/5th	Single
	REV	Single

Weight	46 (kg)
Clutch Size	Ø254×Ø170
Center Distance	79.348
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



M6R34

Torque	33.7 (kg-m)	
Ratio	1st	4.489
	2nd	2.337
	3rd	1.350
	4th	1.000
	5th	0.784
	6th	0.679
	REV	4.253
Synchro-type	1/2/3rd	Triple
	4/6th	Single
	5th	Double
	REV	Single

Weight	52 (kg)
Clutch Size	Ø239×Ø160
Center Distance	86
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



MT FR 

M5R36

Torque	35.7 (kg-m)	
Ratio	1st	4.315
	2nd	2.475
	3rd	1.536
	4th	1.000
	5th	0.807
	REV	3.591
Synchro-type	1/2nd	Triple
	3rd	Double
	4/5th	Single
	REV	Single

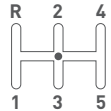
Weight	50 (kg)
Clutch Size	Ø240 × Ø170
Center Distance	81
Control Type	Semi direct
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



LIGHT DUTY 

M5R26

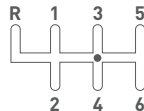
Torque	26 (kg-m)	
Ratio	1st	5.494
	2nd	2.836
	3rd	1.592
	4th	1.000
	5th	0.746
	REV	5.494
Synchro-Type	1/4/5th	Single
	2/3rd	Double
	REV	None

Weight	80 (kg)
Clutch Size	Ø 275 × Ø 175[11inch] (mm)
Center Distance	93
Control Type	Remote
Parking Brake	7.09inch[180mm]
Shift Pattern	
Location	Korea(Seosan)



M6R37

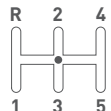
Torque	36 (kg-m)	
Ratio	1st	4.489
	2nd	2.337
	3rd	1.350
	4th	1.000
	5th	0.784
	6th	0.679
	REV	4.253
Synchro-Type	1/2/3rd	Triple
	4/6th	Single
	5th	Double
	REV	Single

Weight	51.5 (kg)
Clutch Size	Ø260 × Ø170
Center Distance	86
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



M5R30

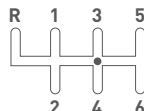
Torque	30 (kg-m)	
Ratio	1st	5.181
	2nd	2.865
	3rd	1.593
	4th	1.000
	5th	0.739
	REV	5.181
Synchro-Type	1/4/5th	Single
	2/3rd	Double
	REV	None

Weight	87 (kg)
Clutch Size	Ø 275 × Ø 175[11inch] (mm)
Center Distance	93
Control Type	Remote
Parking Brake	7.09inch[180mm]
Shift Pattern	
Location	Korea(Seosan)



M6R37

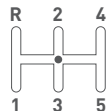
Torque	36 (kg-m)	
Ratio	1st	4.489
	2nd	2.337
	3rd	1.350
	4th	1.000
	5th	0.784
	6th	0.679
	REV	4.253
Synchro-type	1/2/3rd	Triple
	4/6th	Single
	5th	Double
	REV	Single

Weight	52.6 (kg)
Clutch Size	Ø250 × Ø170
Center Distance	86
Control Type	Semi direct
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



M5R40

Torque	40 (kg-m)	
Ratio	1st	5.380
	2nd	3.028
	3rd	1.700
	4th	1.000
	5th	0.722
	REV	5.380
Synchro-Type	1/4/5th	Single
	2/3rd	Triple
	REV	None

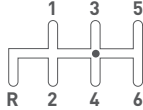
Weight	107 (kg)
Clutch Size	Ø 300 (mm)
Center Distance	100
Control Type	Remote
Parking Brake	7.48inch[190mm]
Shift Pattern	
Location	Korea(Seosan)



LIGHT DUTY 

M6R45

Torque	45 [kg·m]	
Ratio	1st	5.080
	2nd	2.586
	3rd	1.486
	4th	1.000
	5th	0.784
	6th	0.679
	REV	4.095
Synchro-Type	1/2/3rd	Triple
	4/5/6th	Single
	REV	Triple

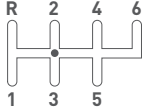
Weight	65 [kg]
Clutch Size	∅ 275 [mm]
Center Distance	88
Control Type	Remote
Parking Brake	None
Shift Pattern	
	R 2 4 6
Location	Korea[Seosan]



MEDIUM DUTY 

M6R52

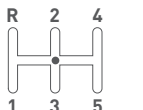
Torque	52 [kg·m]	
Ratio	1st	6.903
	2nd	4.206
	3rd	2.320
	4th	1.414
	5th	1.000
	6th	0.747
	REV	6.903
Synchro-Type	4/5/6th	Single
	2/3rd	Single
	1/REV	None

Weight	147 [kg]
Clutch Size	∅ 354 × 225 [14inch] [mm]
Center Distance	123.5
Control Type	Remote
Parking Brake	8.0inch[203.2mm]
Shift Pattern	
	R 2 4 6
Location	Korea[Seosan]



M5R62

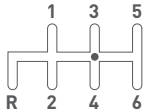
Torque	62 [kg·m]	
Ratio	1st	5.810
	2nd	3.281
	3rd	1.787
	4th	1.000
	5th	0.705
	REV	5.294
Synchro-Type	1/2/3rd	Triple
	4/5th	Single
	REV	Single

Weight	100 [kg]
Clutch Size	∅ 362 [14inch] [mm]
Center Distance	113
Control Type	Remote
Parking Brake	9.02inch[230mm]
Shift Pattern	
	R 2 4
Location	Korea[Seosan]



M6R65

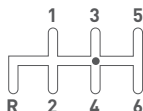
Torque	65 [kg·m]	
Ratio	1st	6.967
	2nd	4.247
	3rd	2.454
	4th	1.471
	5th	1.000
	6th	0.769
	REV	6.492
Synchro-Type	1st	None
	2/3/4th	Double
	5/6th	Single
	REV	None

Weight	150.3
Clutch Size	∅ 380 [15inch] [mm]
Center Distance	128
Control Type	Remote
Parking Brake	8.0" [203.2]
Shift Pattern	
	R 2 4 6
Location	Korea[Seosan]



M6R60

Torque	60 [kg·m]	
Ratio	1st	6.701
	2nd	3.712
	3rd	2.084
	4th	1.351
	5th	1.000
	6th	0.732
	REV	5.863
Synchro-Type	1/2/3rd	Triple
	4/5/6th	Single
	REV	Double

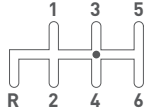
Weight	114.4 [kg]
Clutch Size	∅ 362 [14inch] [mm]
Center Distance	113
Control Type	Remote
Parking Brake	9.06inch[230mm]
Shift Pattern	
	R 2 4 6
Location	Korea[Seosan]



MEDIUM DUTY 

M6R95

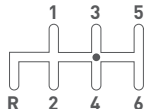
Torque	95 (kg-m)	
Ratio	1st	6.580
	2nd	3.922
	3rd	2.257
	4th	1.441
	5th	1.000
	6th	0.735
	REV	6.061
Synchro-Type	1/2/3/4th	Double
	5/6th	Single
	REV	None

Weight	138.5 (kg)
Clutch Size	Ø 395[15.5inch] (mm)
Center Distance	124
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



M6R86

Torque	86 (kg-m)	
Ratio	1st	6.580
	2nd	3.922
	3rd	2.257
	4th	1.441
	5th	1.000
	6th	0.735
	REV	6.061
Synchro-Type	1/2/3/4th	Double
	5/6th	Single
	REV	None

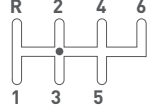
Weight	138.5 (kg)
Clutch Size	Ø 395[15.5inch] (mm)
Center Distance	124
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



HEAVY DUTY 

M6R110

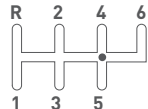
Torque	110 (kg-m)	
Ratio	1st	6.552
	2nd	4.178
	3rd	2.415
	4th	1.621
	5th	1.000
	6th	0.758
	REV	6.849
Synchro-Type	4/5/6th	Single
	2/3rd	Double
	1/REV	None

Weight	230 (kg)
Clutch Size	Ø 430 × 250[17inch] (mm)
Center Distance	147.5
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



M6R120

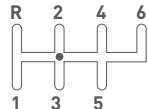
Torque	120 (kg-m)	
Ratio	1st	6.552
	2nd	4.382
	3rd	2.415
	4th	1.621
	5th	1.000
	6th	0.711
	REV	6.849
Synchro-Type	4/5/6th	Single
	2/3rd	Double
	1/REV	None

Weight	205 (kg)
Clutch Size	Ø 430 × 250[17inch] (mm)
Center Distance	147.5
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



M6R148

Torque	148 (kg-m)	
Ratio	1st	6.814
	2nd	3.948
	3rd	2.444
	4th	1.531
	5th	1.000
	6th	0.664
	REV	6.690
Synchro-Type	4/5/6th	Single
	2/3rd	Double
	1/REV	None

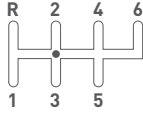
Weight	350 (kg)
Clutch Size	Ø 430 × 242[17inch] (mm)
Center Distance	164.5
Control Type	Remote
Parking Brake	12inch[304.8 mm]
Shift Pattern	
Location	Korea(Seosan)



HEAVY DUTY 

M6R160-1

Torque	160 (kg·m)	
Ratio	1st	7.213
	2nd	4.178
	3rd	2.587
	4th	1.621
	5th	1.000
	6th	0.702
	REV	7.081
Synchro-Type	4/5/6th	Single
	2/3rd	Double
	1/REV	None

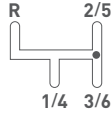
Weight	380 (kg)
Clutch Size	∅ 430 × 242[17inch] (mm)
Center Distance	167
Control Type	Remote
Parking Brake	12inch[304.8mm]
Shift Pattern	
Location	Korea(Seosan)



HEAVY DUTY 

M12R204

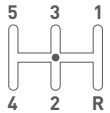
Torque	204 (kg·m)	
Ratio	1st	1L:12.29/1H:9.57
	2nd	2L:7.49/2H:5.83
	3rd	3L:4.57/3H:3.55
	4th	4L:2.69/4H:2.10
	5th	5L:1.64/5H:1.28
	6th	6L:1.00/6H:0.78
	REV	R1:10.86/R2:8.46
Synchro-Type	1st	Double
	2/3rd	Single
	Split H/L	Single
	Range H/L	Single
	REV	None

Weight	320 (kg)
Clutch Size	430[Single] (mm)
Center Distance	154
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan) China(Sichuan)



M10R160

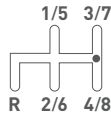
Torque	160 (kg·m)	
Ratio	1st	9.153/7.145
	2nd	4.783/3.733
	3rd	2.765/2.158
	4th	1.666/1.301
	5th	1.000/0.780
	REV	8.105/6.327
Synchro-Type	4/5th	Single
	2/3rd	Double
	1/REV	None

Weight	417.5 (kg)
Clutch Size	∅ 430 × 242[17inch] (mm)
Center Distance	164.5
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



M16R204

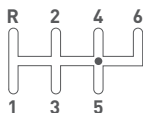
Torque	204 (kg·m)	
Ratio	1st	1L:14.08/1H:11.74
	2nd	2L:9.33/2H:7.78
	3rd	3L:6.44/3H:5.37
	4th	4L:4.57/4H:3.81
	5th	5L:3.08/5H:2.57
	6th	6L:2.04/6H:1.70
	7th	7L:1.41/7H:1.18
	8th	8L:1.00/8H:0.83
	REV	R1:12.20/R2:10.17
Synchro-Type	1/2nd	Double
	3/4th	Single
	Split H/L	Single
	Range H/L	Single
	REV	None

Weight	330 (kg)
Clutch Size	430 [Single] (mm)
Center Distance	154
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	China(Sichuan)



M6R160-2

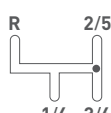
Torque	160 (kg·m)	
Ratio	1st	7.213
	2nd	4.178
	3rd	2.587
	4th	1.621
	5th	1.000
	6th	0.702
	REV	7.081
Synchro-Type	4/5/6th	Single
	2/3rd	Double
	1/REV	None

Weight	304 (kg)
Clutch Size	∅ 430 × 242[17inch] (mm)
Center Distance	167
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



M12R235

Torque	235 (kg·m)	
Ratio	1st	1L:15.78/1H:12.29
	2nd	2L:9.62/2H:7.49
	3rd	3L:5.86/3H:4.57
	4th	4L:3.46/4H:2.69
	5th	5L:2.11/5H:1.64
	6th	6L:1.28/6H:1.00
	REV	R1:13.95/R2:10.86
Synchro-Type	1/2nd	Double
	3rd	Single
	Split H/L	Single
	Range H/L	Single
	REV	None

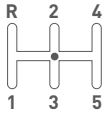
Weight	320 (kg)
Clutch Size	430 [Single] 400 [Twin, DMF] (mm)
Center Distance	154
Control Type	Remote
Auxiliary Brake	Retarder(Optional)
Shift Pattern	
Location	Korea(Seosan)



CITY BUS 

M5R65

Torque	65 [kg-m]	
Ratio	1st	6.967
	2nd	4.247
	3rd	2.454
	4th	1.471
	5th	1.000
	REV	6.492
Synchro-Type	1st	None
	2/3rd	Double
	4/5th	Single
	REV	None

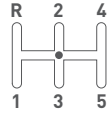
Weight	135.9
Clutch Size	Ø395[15.5inch] (mm)
Center Distance	128
Control Type	Remote / ROD
Parking Brake	8.0" [203.2]
Shift Pattern	
Location	Korea(Seosan)



CITY BUS 

M5R120

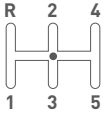
Torque	120 (kg-m)	
Ratio	1st	6.794
	2nd	4.587
	3rd	2.720
	4th	1.620
	5th	1.000
	REV	6.451
Synchro-Type	4/5th	Single
	2/3rd	Double
	1/REV	None

Weight	189 (kg)
Clutch Size	Ø 430 × 250[17inch] (mm)
Center Distance	147.5
Control Type	Remote / ROD
Auxiliary Brake	Retarder(Optional)
Shift Pattern	
Location	Korea(Seosan)



M5R90

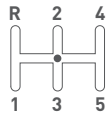
Torque	90 [kg-m]	
Ratio	1st	6.552
	2nd	4.178
	3rd	2.415
	4th	1.397
	5th	1.000
	REV	6.849
Synchro-Type	4/5th	Single
	2/3rd	Double
	1/REV	None

Weight	208 (kg)
Clutch Size	Ø 380 × 240[15inch] (mm)
Center Distance	147.5
Control Type	Remote
Parking Brake	12inch[304.8mm]
Shift Pattern	
Location	Korea(Seosan)



M5R110

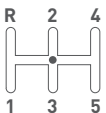
Torque	110 (kg-m)	
Ratio	1st	7.119
	2nd	4.436
	3rd	2.451
	4th	1.463
	5th	1.000
	REV	6.240
Synchro-Type	4/5th	Single
	2/3rd	Double
	1/REV	None

Weight	232 (kg)
Clutch Size	Ø 430 × 250[17inch] (mm)
Center Distance	147.5
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



M5R100

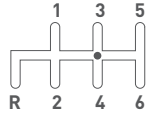
Torque	100 (kg-m)	
Ratio	1st	6.943
	2nd	5.160
	3rd	2.742
	4th	1.652
	5th	1.000
	REV	7.258
Synchro-Type	4/5th	Single
	2/3rd	Double
	1/REV	None

Weight	205 (kg)
Clutch Size	Ø 430 × 250[17inch] (mm)
Center Distance	147.5
Control Type	Remote
Parking Brake	None
Shift Pattern	
Location	Korea(Seosan)



M6R130

Torque	130 (kg-m)	
Ratio	1st	6.552
	2nd	4.382
	3rd	2.671
	4th	1.621
	5th	1.000
	6th	0.711
	REV	5.969
Synchro-Type	1/2nd	Double
	3/4/5/6th	Single
	REV	None

Weight	198 (kg)
Clutch Size	430 (mm)
Center Distance	147.5
Control Type	Power Shift / Manual
Auxiliary Brake	Retarder(Optional)
Shift Pattern	
Location	Korea(Seosan)



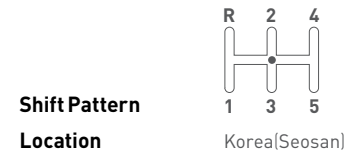
EXPRESS BUS



M5R140

Torque	140 (kg-m)	
Ratio	1st	7.213
	2nd	4.398
	3rd	2.415
	4th	1.462
	5th	1.000
	REV	7.081
Synchro-Type	4/5th	Single
	2/3rd	Double
	1/REV	None

Weight	255 (kg)
Clutch Size	∅ 430 × 242 [17inch] (mm)
Center Distance	164.5
Control Type	Remote
Auxiliary Brake	Retarder(Optional)



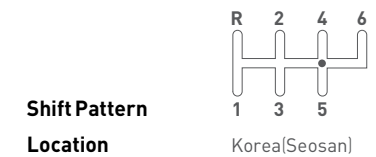
EXPRESS BUS



M6R214

Torque	214 (kg-m)	
Ratio	1st	7.344
	2nd	4.210
	3rd	2.561
	4th	1.567
	5th	1.000
	6th	0.759
REV	7.153	
Synchro-Type	1/2/3/6th	Double
	4/5th	Single
	REV	None

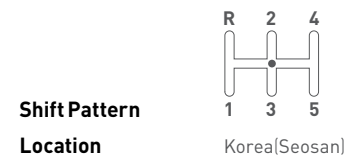
Weight	245 (kg)
Clutch Size	430 [Single] (mm)
Center Distance	167
Control Type	Remote/ROD
Auxiliary Brake	Retarder(Optional)



M5R148

Torque	148 (kg-m)	
Ratio	1st	6.814
	2nd	4.155
	3rd	2.282
	4th	1.381
	5th	1.000
	REV	6.690
Synchro-Type	4/5th	Single
	2/3rd	Double
	1/REV	None

Weight	255 (kg)
Clutch Size	∅ 430 × 242 [17inch] (mm)
Center Distance	164.5
Control Type	Remote
Parking Brake	None



S6R214

Torque	214 (kg-m)	
Ratio	1st	7.344
	2nd	4.210
	3rd	2.561
	4th	1.567
	5th	1.000
	6th	0.759
REV	7.153	
Synchro-Type	1/2/3/6th	Double
	4/5th	Single
	REV	None

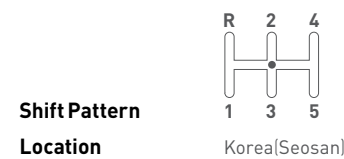
Weight	230 (kg)
Clutch Size	430 [Single] (mm)
Center Distance	167
Control Type	Electronic [CAN]
Parking Brake	None



M5R160

Torque	160 (kg-m)	
Ratio	1st	6.814
	2nd	4.155
	3rd	2.282
	4th	1.381
	5th	1.000
	REV	6.690
Synchro-Type	4/5th	Single
	2/3rd	Double
	1/REV	None

Weight	255 (kg)
Clutch Size	∅ 430 × 242 [17inch] (mm)
Center Distance	164.5
Control Type	Remote
Parking Brake	None



HYBRID BUS



S6R130H

Torque	130 (kg-m)		Weight	389 (kg)	
Ratio	1st	6.552	Clutch Size	430 (mm)	
	2nd	4.382	Center Distance	147.5	
	3rd	2.671	Control Type	Electronic [CAN]	
	4th	1.621	Auxiliary Brake	Retarder[Option]	
	5th	1.000			
	6th	0.711			
	REV	5.969			
Synchro-Type	1/2nd	Double	Shift Pattern		
	3/4/5/6th	Single	Location		Korea(Seosan)
	REV	None			



HYBRID TRUCK



S6R86H

Torque	86 (kg-m)		Weight	289 (kg)	
Ratio	1st	6.580	Clutch Size	Ø 395 [15.5inch] (mm)	
	2nd	3.922	Center Distance	124	
	3rd	2.257	Control Type	Electronic [CAN]	
	4th	1.441	Parking Brake	None	
	5th	1.000			
	6th	0.730			
	REV	6.061			
Synchro-Type	1/2/3/4th	Double	Shift Pattern		
	5/6th	Single	Location		Korea(Seosan)
	REV	None			



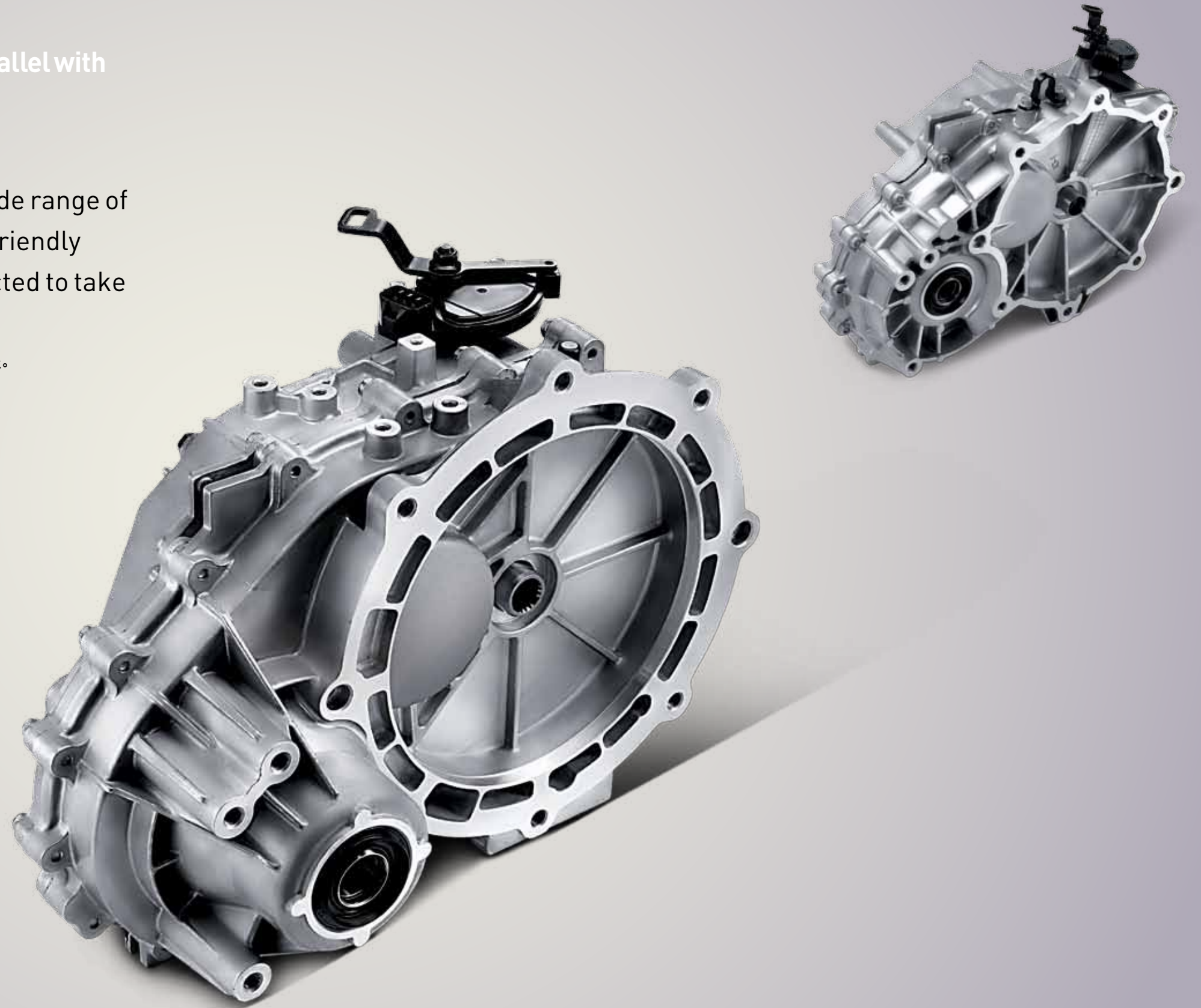
REDUCTION GEAR

We develop and manufacture decelerators for EVs in parallel with enhancements in global environmental regulations.

如今全球环境管制日益加严，现代坦迪斯适应这一趋势，开发生产电动汽车减速箱。

Based on our rich experience in the development of a wide range of powertrains, we have set up an extensive lineup of eco-friendly decelerators boasting high fuel efficiency that are expected to take the lead in the future market.

依靠以往积累的多样动力总成开发经验，构筑了主导未来市场的环境友好型高燃效减速箱产品线。



REDUCTION GEAR



G1F24

Torque	23.4 (kg·m) 12,000 (rpm)	Speed	1	Parking	SBC 0 SBW -
Weight	30 (Dry) (kg)	Housing	Aluminum Die-casting	Ratio	8.149
Center Distance	193.794 (mm)	Disconnecter System	None	Application	Kia Lay EV
		Reduction Type	Offset Type	Location	Korea (Seosan)

G1F36

Torque	35.7 (kg·m) 12,500 (rpm)	Speed	1	Parking	SBC 0 SBW -
Weight	32 (Wet) (kg)	Housing	Aluminum Die-casting	Ratio	9.433
Center Distance	0 (120) (mm)	Disconnecter System	None (Spline Connection)	Application	Hyundai Tucson FCEV
		Reduction Type	Inline Type	Location	Korea (Seosan)

G1F30

Torque	29.1 (kg·m) 10,500 (rpm)	Speed	1	Parking	SBC 0 SBW -
Weight	31 (Wet) (kg)	Housing	Aluminum Die-casting	Ratio	8.206
Center Distance	188.85 (mm)	Disconnecter System	None (Spline Connection)	Application	Hyundai Avante EV, Kia KX3 EV, Soul EV
		Reduction Type	Offset Type	Location	Korea (Seosan)



REDUCTION GEAR



G1F32

Torque	31.6 (kg·m) 12,000 (rpm)	Speed	1	Parking	SBC - SBW 0
Weight	30.6 (Wet) (kg)	Housing	Aluminum Die-casting	Ratio	7.432
Center Distance	188.85 (mm)	Disconnecter System	None (Spline Connection)	Application	Hyundai Ioniq EV
		Reduction Type	Offset Type	Location	Korea (Seosan)

G1F24

Torque	23.4 (kg·m) 12,000 (rpm)	Speed	1	Parking	SBC - SBW 0
Weight	34 (Wet) (kg)	Housing	Aluminum Die-casting	Ratio	7.982
Center Distance	189.15 (mm)	Disconnecter System	None (Spline Connection)	Application	Hyundai Nexo FCEV, Kona EV, Kia Niro EV, Soul EV
		Reduction Type	Inline Type	Location	Korea (Seosan)

G1F26

Torque	26 (kg·m) 15,000 (rpm)	Speed	1	Parking	SBC - SBW 0
Weight	40 (Wet) (kg)	Housing	Aluminum Die-casting	Ratio	10.650
Center Distance	188.85 (mm)	Disconnecter System	0	Location	Korea (Seosan)
		Reduction Type	Offset Type		



AXLE

Perfect quality axles developed through the state-of-the-art technology and production facilities

通过尖端技术与先进生产设备，提供高品质的车桥

Hyundai Transys axles transmit strong power in a smooth, prompt, and precise manner. They guarantee safe driving under all driving conditions.

现代坦迪斯生产的车桥平稳、快速、准确地传递强大动力，在任何行驶环境下，确保安全驾驶。



Hyundai Transys Axles

Hyundai Transys independently develops and produces axles through its design competency and quality management system acquired through decades of experience. Design optimization based on FEA(Finite elements analysis) and noise analysis capability have allowed for the realization of noise-free axles with maximum power transmission efficiency.

Additionally, through the innovative axle design that takes into account the purpose and characteristics of each vehicle, the axles guarantee safety in extreme operating conditions such as low or high speed, long-distance and rough road conditions.

现代坦迪斯以尖端的技术和质量管理系统以及数十年的研究开发经验独立研究开发生产高品质的车桥。

FEA优化设计和噪音分析能力实现了车桥低噪音和最大功率的运行。

此外，考虑到每个车型的不同性，通过创新设计的车桥能够保证每个车型在任何的条件(例如高/低速，长距离，不平整路面)下都能安全舒适地驾驶。

Advanced & Comfortable

AXLE MODEL LINE-UP



[PASSENGER CAR]

Category	Model	Gear Size (inch)	Weight (kg)	Engine		Customer	Application
				Model	Max.Torque (kg-m)		
IRS REAR AXLE (SUV)	R053HS	5.3	12.5	Nu2.0 γ1.6	19.4 15.4	HYUNDAI KIA	ix25 / KX3 / CRETA
	R056HS	5.6	12.9	R2.2	43.7	HYUNDAI KIA CHANGAN GEELY	SANTAFE / TUCSON SPORTAGE SORENTO R CS75, CS95 NL-3
				λ3.3GDi	35		
				D2.0 T GDi	35		
	R060HS	6.0	15	D20DTF	36.7	SSANGYONG	KORANDO C
	R085HS	8.5	38.5	λ3.8	35.8	KIA	MOHAVE
R090HS	9.0	44.5 45.5(LD)	λ3.8 τ4.6 SII3.0v	56			
IRS REAR AXLE (SEDAN)	R080HS	8.0	34.5 / 28.1	λ3.3 GDi λ3.8 GDi Ø2.0T R2.2 VGT	36 40 44.5	HYUNDAI KIA	G90 / G80 / K9
	R085HS	8.5	35.8 28.5	τ5.0 GDi λ3.3 T-GDi	52 53	HYUNDAI KIA	G90 / G80 / K9
BANJO REAR AXLE (VAN/WAGON)	R078HS	7.8	77	A-II 2.5	26	HYUNDAI	PORTER
	R085HS	8.5	80	A-II 2.5	26		
	R090HS	9.0	100	A-II VGT	45	HYUNDAI	STAREX
				AII-WGT	35		
			A-VGT	40			
BUILT-UP REAR AXLE	R073HS	7.3	65	H15T	22.4	CHANGAN	R103(CX70) / G201
	R085HS	8.5	85.7	D20DT	31.6	SSANGYONG	ACTYON / ACTYON SPORTS / KYRON
	R090HS	9.0	93.8	D27DT	34.7	SSANGYONG	ACTYON SPORTS KYRON / REXTON
	R092HS	9.2	134	A2.5	43	HYUNDAI	SOLATI
IOP FRONT AXLE	F069HS	6.9	15.6	λ3.3 GDi λ3.8 GDi Ø2.0T R2.2 VGT	36 40 44.5	HYUNDAI	G90 / G80
	F073HS	7.3	17	τ5.0 GDi λ3.3 T-GDi	52 53	HYUNDAI	G90 / G80
	F070HS	7.0	16.7	IL6	30.2 35	SSANGYONG	CHAIRMAN
	F071HS	7.1	41.3	D20DT	31.6	SSANGYONG	ACTYON / KYRON REXTON / RODIUS
F078HS	7.8	45.3	D27DT	34.7			
IFS FRONT AXLE (SUV)	F078HS	7.8	38	SII3.0	56	KIA	MOHAVE

MODEL CODE
ex) **R175HS**
A B C D

- A. F_ Front R_ Rear
H_ Hub reduction
P_ Portal
- B. Ring-Gear Size (Inch)
- C. H_ Hypoid S_ Spiral
- D. T_ Tandem F_ Forward
R_ Reward S_ Single



[TRUCK]

Category	Model	Gear Size (inch)	Weight (kg)	Engine		Customer	Application
				Model	Max.Torque (kg-m)		
LIGHT DUTY (2.5~5.5ton)	R115HS	11.5	200	D4AF	30	HYUNDAI	MIGHTY COUNTY QT WIDE
	R120HS	12.0	223	D4AE	30		
	R125HS	12.5	243	F-ENG (LOW)	45		
	R130HS	13.0	275	F-ENG (HIGH)	62		
MEDIUM DUTY (4.5~7ton)	R140HS	14.0	327	G-ENG	70	HYUNDAI	MEGA TRUCK
	R145HS	14.5	352	KK (ENG)	70		
	R150HS	15.0	442	G-ENG	95		
	R160HS	16.0	522	G-ENG	95		
HEAVY DUTY (8~27ton)	R173HT	17.3	1,470	POWERTECH	160	HYUNDAI	CARGO (14ton)
	R175HT	17.5	1,460	POWERTECH	178	HYUNDAI	CARGO (17ton) DUMP (15ton)
	R178HT	17.8	1,633	POWERTECH	255	HYUNDAI	CARGO (25ton) DUMP (27ton) TRACTOR 6x4
	R185HT	18.5	1,661	POWERTECH	148	HYUNDAI	CARGO (19ton) DUMP (23ton)
	R190HS	19.0	712	POWERTECH	255	HYUNDAI	TRACTOR 6x2 TRACTOR 4x2
	H110ST	11.0	1,720	POWERTECH	255	HYUNDAI	DUMP (25.5ton) TRACTOR 6x4



[BUS]

Category	Model	Gear Size (inch)	Weight (kg)	Engine		Customer	Application
				Model	Max.Torque (kg-m)		
CITY BUS	R165SS	16.6	655	D6AV (235/80)	80	HYUNDAI	AERO CITY
	R166HS	16.7	640	DLO8	115	DAEWOO	NEW BS106
	R170HS	17.0	665	G-ENG H-ENG	100 120	HYUNDAI	GREEN CITY SUPER AERO CITY
EXPRESS BUS	R173HS	17.3	680	POWERTECH	148	HYUNDAI	AERO SPACE
	R175HS	17.5	692	POWERTECH	193	HYUNDAI KIA	UNIVERSE GRANBIRD
	R178HS	17.8	690	POWERTECH	173	HYUNDAI	AERO SPACE
LOW-FLOOR BUS	P110SS	10.9	892	Q-CNG G-CNG + Motor	110 130	HYUNDAI	SUPER AERO CITY
ELECTRIC BUS	E240DA	8.5	1,257	IN WHEEL MOTOR (X2)	50.7 (X2)	HYUNDAI	ELEC CITY

IRS REAR AXLE (SUV)



R053HS

Gear Size	5.3 (inch)	Oil Capacity	0.5 (Liter)	Type of Axle	IRS
Weight	12.5 (kg)	Locking Differential	None	Max. Output Torque	750 (N·m)
Ring Gear Pitch Dia.	136 (mm)	Nominal GAW Rating	902 (kg)	Location	Korea (Seosan)
Hypoid Offset	BC 25 (mm)	Gear Ratio	2.533		

R056HS

Gear Size	5.6 (inch)	Oil Capacity	0.53/0.68 (Liter)	Type of Axle	IRS
Weight	12.9/15.1 (kg)	Locking Differential	None	Max. Output Torque	1,000 (N·m)
Ring Gear Pitch Dia.	142 (mm)	Nominal GAW Rating	1,450 (kg)	Location	Korea (Seosan)
Hypoid Offset	BC25 (mm)	Gear Ratio	2.533		China (Rizhao)

R060HS

Gear Size	6.0 (inch)	Oil Capacity	0.7 (Liter)	Type of Axle	IRS
Weight	15 (kg)	Locking Differential	None	Max. Output Torque	1,200 (N·m)
Ring Gear Pitch Dia.	152 (mm)	Nominal GAW Rating	1,250 (kg)	Location	Korea (Seosan)
Hypoid Offset	BC25 (mm)	Gear Ratio	2.929		



IRS REAR AXLE (SUV)



R085HS

Gear Size	8.5 (inch)	Oil Capacity	1.4 (Liter)	Type of Axle	IRS
Weight	38.5 (kg)	Locking Differential	None	Max. Output Torque	6,179 (N·m)
Ring Gear Pitch Dia.	216 (mm)	Nominal GAW Rating	1,441 (kg)	Location	Korea (Seosan)
Hypoid Offset	BC30 (mm)	Gear Ratio	3.357		

R090HS

Gear Size	9.0 (inch)	Oil Capacity	1.8 (Liter)	Type of Axle	IRS
Weight	44.5 / 45.5 (LD) (kg)	Locking Differential	Option	Max. Output Torque	6,809 (N·m)
Ring Gear Pitch Dia.	228.6 (mm)	Nominal GAW Rating	1,441 (kg)	Location	Korea (Seosan)
Hypoid Offset	BC30 (mm)	Gear Ratio	3.357 / 3.909		



IRS REAR AXLE (SEDAN)



R080HS (G90)

Gear Size	8.0 (inch)	Oil Capacity	1.4 (Liter)	Type of Axle	IRS
Weight	34.5 (kg)	Limited Slip Differential	None	Max. Output Torque	5,500 (N·m)
Ring Gear Pitch Dia.	205 (mm)	Nominal GAW Rating	1,342 (kg)	Location	Korea(Seosan)
Hypoid Offset	BC30 (mm)	Gear Ratio	R3.909		

R085HS (G90)

Gear Size	8.5 (inch)	Oil Capacity	1.4 (Liter)	Type of Axle	IRS
Weight	35.8 (kg)	Limited Slip Differential	None	Max. Output Torque	6,025 (N·m)
Ring Gear Pitch Dia.	216 (mm)	Nominal GAW Rating	1,417 (kg)	Location	Korea(Seosan)
Hypoid Offset	BC30 (mm)	Gear Ratio	R3.538		

R080HS (G80)

Gear Size	8.0 (inch)	Oil Capacity	1.2 (Liter)	Type of Axle	IRS
Weight	28.1 (kg)	Limited Slip Differential	None	Max. Output Torque	5,186 (N·m)
Ring Gear Pitch Dia.	205 (mm)	Nominal GAW Rating	1,342 (kg)	Location	Korea(Seosan)
Hypoid Offset	BC30 (mm)	Gear Ratio	R3.538 / R3.909		

R085HS (G80)

Gear Size	8.5 (inch)	Oil Capacity	1.4 (Liter)	Type of Axle	IRS
Weight	28.5 (kg)	Limited Slip Differential	None	Max. Output Torque	6,396 (N·m)
Ring Gear Pitch Dia.	216 (mm)	Nominal GAW Rating	1,417 (kg)	Location	Korea(Seosan)
Hypoid Offset	BC30 (mm)	Gear Ratio	R3.538		



BANJO REAR AXLE (VAN / WAGON)



R078HS

Gear Size	7.8 (inch)	Locking Differential	Option	Type of Axle	Banjo
Weight	77 (kg)	Tube Section	Ø70×6t	Max. Output Torque	4,347 (N·m)
Ring Gear Pitch Dia.	200 (mm)	Nominal GAW Rating	1,646 (kg)	Location	Korea(Seosan)
Hypoid Offset	BC30 (mm)	Gear Ratio	4.222		
Oil Capacity	1.2 (Liter)				

R085HS

Gear Size	8.5 (inch)	Locking Differential	Option	Type of Axle	Banjo
Weight	80 (kg)	Tube Section	Ø70×6t	Max. Output Torque	6,252 (N·m)
Ring Gear Pitch Dia.	214.75 (mm)	Nominal GAW Rating	1,646 (kg)	Location	Korea(Seosan)
Hypoid Offset	BC30 (mm)	Gear Ratio	3.154 / 3.727 / 4.272		
Oil Capacity	1.9 (Liter)				

R090HS

Gear Size	9.0 (inch)	Locking Differential	Option	Type of Axle	Banjo
Weight	100 (kg)	Tube Section	Ø70×7t / Ø80×6t	Max. Output Torque	7,114 (N·m)
Ring Gear Pitch Dia.	230 (mm)	Nominal GAW Rating	1,780 (WGN) / 1,850 (VAN) (kg)	Location	Korea(Seosan)
Hypoid Offset	BC30 (mm)	Gear Ratio	R2.929 / R3.909 / R3.692		
Oil Capacity	2.1 (Liter)		R4.222 / R4.625 / R4.444		



BUILT-UP REAR AXLE



R073HS

Gear Size	7.3 (inch)	Locking Differential	None	Type of Axle	Salisbury
Weight	65 (kg)	Tube Section	Ø70×6.5t	Max. Output Torque	2,376 (N·m)
Ring Gear Pitch Dia.	185 (mm)	Nominal GAW Rating	1,200 (kg)	Location	China (Sichuan)
Hypoid Offset	BC25 (mm)	Gear Ratio	-		
Oil Capacity	1.1 (Liter)				

R085HS

Gear Size	8.5 (inch)	Locking Differential	Option	Type of Axle	Salisbury
Weight	85.7 (kg)	Tube Section	Ø70×8t	Max. Output Torque	6,331 (N·m)
Ring Gear Pitch Dia.	216 (mm)	Nominal GAW Rating	1,360 (kg)	Location	Korea (Seosan)
Hypoid Offset	BC38.1 (mm)	Gear Ratio	3.54/4.27/4.55/4.89/5.38		
Oil Capacity	1.9 (Liter)				

R090HS

Gear Size	9.0 (inch)	Locking Differential	Option	Type of Axle	Salisbury
Weight	93.8 (kg)	Tube Section	Ø70×8t	Max. Output Torque	7,750 (N·m)
Ring Gear Pitch Dia.	230 (mm)	Nominal GAW Rating	1,600 (kg)	Location	Korea (Seosan)
Hypoid Offset	BC30 (mm)	Gear Ratio	3.31/3.54/3.91/4.27/4.56/4.89		
Oil Capacity	2 (Liter)				

R092HS

Gear Size	9.2 (inch)	Locking Differential	Option	Type of Axle	Salisbury
Weight	134 (kg)	Tube Section	Ø75.4×8.2t	Max. Output Torque	7,936 (N·m)
Ring Gear Pitch Dia.	233.68 (mm)	Nominal GAW Rating	2,430 (BUS) / 2,250 (VAN, TRUCK) (kg)	Location	Korea (Seosan)
Hypoid Offset	BC30 (mm)	Gear Ratio	3.538/3.917		
Oil Capacity	2.2 (Liter)				



IOP FRONT AXLE



F069HS

Gear Size	6.9 (inch)	Oil Capacity	0.7 (Liter)	Type of Axle	IOP
Weight	15.6 (kg)	Locking Differential	None	Max. Output Torque	2,692 (N·m)
Ring Gear Pitch Dia.	177.5 (mm)	Nominal GAW Rating	1,238 (kg)	Location	Korea (Seosan)
Hypoid Offset	BC25 (mm)	Gear Ratio	R3.909 / R3.538		

F073HS

Gear Size	7.3 (inch)	Oil Capacity	0.7 (Liter)	Type of Axle	IOP
Weight	17 (kg)	Locking Differential	None	Max. Output Torque	3,250 (N·m)
Ring Gear Pitch Dia.	187.5 (mm)	Nominal GAW Rating	1,308 (kg)	Location	Korea (Seosan)
Hypoid Offset	BC25 (mm)	Gear Ratio	R3.538		

F070HS

Gear Size	7.0 (inch)	Oil Capacity	0.69 (Liter)	Type of Axle	IOP
Weight	16.7 (kg)	Locking Differential	None	Max. Output Torque	3,352 (N·m)
Ring Gear Pitch Dia.	177.8 (mm)	Nominal GAW Rating	1,250 (kg)	Location	Korea (Seosan)
Hypoid Offset	AC 25.0 (mm)	Gear Ratio	3.06		



IFS FRONT AXLE (SUV)



F071HS

Gear Size	7.1 (inch)	Locking Differential	None	Type of Axle	IFS
Weight	41.3 (kg)	Tube Section	Ø63.5x5.54t	Max. Output Torque	3,762 (N·m)
Ring Gear Pitch Dia.	181 (mm)	Nominal GAW Rating	1,174 (kg)	Location	Korea(Seosan)
Hypoid Offset	AC28.58 (mm)	Gear Ratio	3.54/3.91/4.27/4.56/4.89/5.38		
Oil Capacity	1.4 (Liter)				

F078HS [ACTYON]

Gear Size	7.8 (inch)	Locking Differential	None	Type of Axle	IFS
Weight	45.3 (kg)	Tube Section	Ø63.5x5.54t	Max. Output Torque	5,361 (N·m)
Ring Gear Pitch Dia.	200 (mm)	Nominal GAW Rating	1,250 (kg)	Location	Korea(Seosan)
Hypoid Offset	AC30 (mm)	Gear Ratio	3.31/3.91/4.27		
Oil Capacity	1.4 (Liter)				

F078HS [MOHAVE]

Gear Size	7.8 (inch)	Locking Differential	None	Type of Axle	IFS
Weight	38 (kg)	Tube Section	Ø60.5x6t	Max. Output Torque	4,622 (N·m)
Ring Gear Pitch Dia.	198.12 (mm)	Nominal GAW Rating	1,381 (kg)	Location	Korea(Seosan)
Hypoid Offset	AC30 (mm)	Gear Ratio	3.357/3.909		
Oil Capacity	1.3 (Liter)				



LIGHT DUTY



R115HS

Gear Size	11.5 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	200 (kg)	Tube Section	110×110×6t	Type of Axle	Banjo
Ring Gear Pitch Dia.	292 (mm)	Nominal GAW Rating	3,843 (kg)	Max. Output Torque	8,688 (N·m)
Hypoid Offset	28.58 (mm)	Gear Ratio	5.714/6.142/6.166/	Location	Korea(Seosan)
Oil Capacity	4.5 (Liter)		6.333/6.666		

R120HS

Gear Size	12.0 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	223 (kg)	Tube Section	110×110×6t	Type of Axle	Banjo
Ring Gear Pitch Dia.	302 (mm)	Nominal GAW Rating	4,300 (kg)	Max. Output Torque	9,140 (N·m)
Hypoid Offset	28.58 (mm)	Gear Ratio	4.625/5.000/5.375/5.714/	Location	Korea(Seosan)
Oil Capacity	4.5 (Liter)		6.142/6.166/6.666		

R125HS

Gear Size	12.5 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	243 (kg)	Tube Section	110×110×8t	Type of Axle	Banjo
Ring Gear Pitch Dia.	320 (mm)	Nominal GAW Rating	4,500 (kg)	Max. Output Torque	10,900 (N·m)
Hypoid Offset	28.58 (mm)	Gear Ratio	3.417/3.727/4.333/4.625/5.000/	Location	Korea(Seosan)
Oil Capacity	5.8 (Liter)		5.428/6.166		

R130HS

Gear Size	13.0 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	257/275 (kg)	Tube Section	110×110×8t / 110×120×10t	Type of Axle	Banjo
Ring Gear Pitch Dia.	330 (mm)	Nominal GAW Rating	4,330/5,500 (kg)	Max. Output Torque	12,335 (N·m)
Hypoid Offset	28.58 (mm)	Gear Ratio	3.417/3.692/3.727/4.111	Location	Korea(Seosan)
Oil Capacity	6.2 (Liter)				



MEDIUM DUTY

R140HS

Gear Size	14.0 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	327 (kg)	Tube Section	120×134×10t	Type of Axle	Banjo
Ring Gear Pitch Dia.	358 (mm)	Nominal GAW Rating	7,150 (kg)	Max. Output Torque	17,574 (N·m)
Hypoid Offset	30 (mm)	Gear Ratio	3.909	Location	Korea(Seosan)
Oil Capacity	6.5 (Liter)				

R145HS

Gear Size	14.5 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	352 (kg)	Tube Section	120×134×10t	Type of Axle	Banjo
Ring Gear Pitch Dia.	368 (mm)	Nominal GAW Rating	8,140 (kg)	Max. Output Torque	19,481 (N·m)
Hypoid Offset	30 (mm)	Gear Ratio	4.333	Location	Korea(Seosan)
Oil Capacity	8.3 (Liter)				

R150HS

Gear Size	15.0 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	442 (kg)	Tube Section	120×134×12t / 120×134×14t	Type of Axle	Banjo
Ring Gear Pitch Dia.	373 (mm)	Nominal GAW Rating	8,800 (kg)	Max. Output Torque	24,259 (N·m)
Hypoid Offset	30 (mm)	Gear Ratio	3.636/3.909/4.111	Location	Korea(Seosan)
Oil Capacity	8.3 (Liter)				

R160HS

Gear Size	16.0 (inch)	Locking Differential	None	Type of Axle	Banjo
Weight	522 (kg)	Tube Section	120×134×14t	Max. Output Torque	30,304 (N·m)
Ring Gear Pitch Dia.	400 (mm)	Nominal GAW Rating	8,800 (kg)	Location	Korea(Seosan)
Hypoid Offset	30 (mm)	Gear Ratio	4.111		
Oil Capacity	10 (Liter)				



HEAVY DUTY

R173HT

Gear Size	17.3 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	1,470 (kg)	Tube Section	145×145×14t		Tandem
Ring Gear Pitch Dia.	439.4 (mm)	Nominal GAW Rating	10,500 (kg)	Type of Axle	Banjo
Hypoid Offset	45 (mm)	Gear Ratio	3.909/4.875/5.143/5.571/	Max. Output Torque	62,000 (N·m)
Oil Capacity	22 (Liter)		6.166/6.666	Location	Korea(Seosan)

R175HT

Gear Size	17.5 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	1,460 (kg)	Tube Section	145×145×14t		Tandem
Ring Gear Pitch Dia.	444.5 (mm)	Nominal GAW Rating	10,500 (kg)	Type of Axle	Banjo
Hypoid Offset	45 (mm)	Gear Ratio	4.333/4.875/5.143	Max. Output Torque	76,000 (N·m)
Oil Capacity	22 (Liter)			Location	Korea(Seosan)

R178HT

Gear Size	17.8 (inch)	Locking Differential	Option	Remarks	Single Reduction
Weight	1,633 (kg)	Tube Section	145×145×14t / 145×153×14t / 145×160×14t		Tandem
Ring Gear Pitch Dia.	452 (mm)	Nominal GAW Rating	10,500 / 13,000 (kg)	Type of Axle	Banjo
Hypoid Offset	47.79 (mm)	Gear Ratio	2.846/3.083/3.273/3.417	Max. Output Torque	86,000 (N·m)
Oil Capacity	32 (Liter)			Location	Korea(Seosan)

R185HT

Gear Size	18.5 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	1,661 (kg)	Tube Section	145×160×14t		Tandem
Ring Gear Pitch Dia.	470 (mm)	Nominal GAW Rating	13,000 (kg)	Type of Axle	Banjo
Hypoid Offset	45 (mm)	Gear Ratio	3.667/3.909/4.333/4.875 / 5.143/5.571/6.166	Max. Output Torque	86,000 (N·m)
Oil Capacity	32 (Liter)			Location	Korea(Seosan)



HEAVY DUTY

R190HS

Gear Size	19.0 (inch)	Locking Differential	Standard	Remarks	Single Reduction
Weight	712 (kg)	Tube Section	145×145×14t / 145×153×14t	Type of Axle	Banjo
Ring Gear Pitch Dia.	482 (mm)	Nominal GAW Rating	13,000 (kg)	Max. Output Torque	52,000 (N·m)
Hypoid Offset	47.79 (mm)	Gear Ratio	2.530 / 2.800 / 2.929 /	Location	Korea (Seosan)
Oil Capacity	15 (Liter)		3.667 / 3.909 / 4.333		

H110ST

Gear Size	11.0 (inch)	Locking Differential	Standard	Remarks	Hub Reduction
Weight	1,720 (kg)	Tube Section	145×153×14t	Type of Axle	Tandem
Ring Gear Pitch Dia.	280 (mm)	Nominal GAW Rating	13,000 (kg)	Max. Output Torque	107,800 (N·m)
Hypoid Offset	0 (mm)	Gear Ratio	3.50 / 3.63 / 4.271	Location	Korea (Seosan)
Oil Capacity	47 (Liter)				



CITY BUS

R165SS

Gear Size	16.5 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	655 (kg)	Tube Section	132×140×14t	Type of Axle	Banjo
Ring Gear Pitch Dia.	420 (mm)	Nominal GAW Rating	9,375 (kg)	Max. Output Torque	27,700 (N·m)
Hypoid Offset	0 (mm)	Gear Ratio	3.545 / 3.909 / 4.333 / 4.875	Location	Korea (Seosan)
Oil Capacity	10 (Liter)				

R166HS

Gear Size	16.6 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	640 (kg)	Tube Section	132×140×14t	Type of Axle	Banjo
Ring Gear Pitch Dia.	420 (mm)	Nominal GAW Rating	10,000 (kg)	Max. Output Torque	30,000 (N·m)
Hypoid Offset	36 (mm)	Gear Ratio	3.153 / 3.250 / 3.545 / 3.900 /	Location	Korea (Seosan)
Oil Capacity	11.5 (Liter)		4.333 / 4.875 / 5.571 / 6.166		

R170HS

Gear Size	17.0 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	665 (kg)	Tube Section	145×145×14t	Type of Axle	Banjo
Ring Gear Pitch Dia.	424 (mm)	Nominal GAW Rating	10,000 (kg)	Max. Output Torque	32,000 (N·m)
Hypoid Offset	36 (mm)	Gear Ratio	3.909 / 4.111 / 4.333 / 4.875 / 5.375	Location	Korea (Seosan)
Oil Capacity	10 (Liter)				



EXPRESS BUS



R173HS

Gear Size	17.3 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	680 (kg)	Tube Section	145×145×14t	Type of Axle	Banjo
Ring Gear Pitch Dia.	440 (mm)	Nominal GAW Rating	10,000 (kg)	Max. Output Torque	31,300 (N·m)
Hypoid Offset	45 (mm)	Gear Ratio	3.153/3.545/3.909/4.444/4.875	Location	Korea(Seosan)
Oil Capacity	12.5 (Liter)				

R175HS

Gear Size	17.5 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	692 (kg)	Tube Section	145×145×14t	Type of Axle	Banjo
Ring Gear Pitch Dia.	442 (mm)	Nominal GAW Rating	10,000 (kg)	Max. Output Torque	38,000 (N·m)
Hypoid Offset	45 (mm)	Gear Ratio	2.929/3.153/3.364/3.909/5.714/6.413	Location	Korea(Seosan)
Oil Capacity	12.5 (Liter)				

R178HS

Gear Size	17.8 (inch)	Locking Differential	None	Remarks	Single Reduction
Weight	690 (kg)	Tube Section	145×145×14t	Type of Axle	Banjo
Ring Gear Pitch Dia.	452 (mm)	Nominal GAW Rating	10,000 (kg)	Max. Output Torque	35,000 (N·m)
Hypoid Offset	47.79 (mm)	Gear Ratio	3.545/3.909	Location	Korea(Seosan)
Oil Capacity	12.5 (Liter)				



LOW-FLOOR BUS



P110SS

Gear Size	11.0 (inch)	Locking Differential	None	Remarks	Double Reduction
Weight	892 (kg)	Tube Section	174×137.5×12t	Type of Axle	Drop Center AXLE
Ring Gear Pitch Dia.	277.5 (mm)	Nominal GAW Rating	13,000 (kg)	Max. Output Torque	50,000 (N·m)
Hypoid Offset	0 (mm)	Gear Ratio	5.13/5.74	Location	Korea(Seosan)
Oil Capacity	15 (Liter)				

ELECTRIC BUS



E240DA

Gear Size	8.5 (inch)	Locking Differential	None	Remarks	Double Reduction
Weight	1,257 (kg)	Tube Section	None	Type of Axle	In Wheel Motor AXLE
Ring Gear Pitch Dia.	None	Nominal GAW Rating	13,000 (kg)	Max. Output Torque	22,870 (N·m)
Hypoid Offset	None	Gear Ratio	22.91	Location	Korea(Iksan)
Oil Capacity	1.3(x2) (Liter) 1.8(Hub,x2) (Liter)				



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Hyundai Transys 4WD Systems



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EST 

E2R120

Type of Vehicle	SUV	Engine	ZMZ-409.10
Application	FR based AWD Compact SUV Vehicle	Allowable MAX. Input Torque	120 (kg-m)
Driving Type	Part Time	Weight	33.3 (kg)
Shifting Mode	2H→4H→4L (Rotary Switch)	Ratio	2.542
ECU Communication	K-Line	Front Output Direction	RH
		Center Distance	241.29
		Location	China(Rizhao)



EST 

E2R170

Type of Vehicle	SUV	Engine	4.6L
Application	FR Type SUV Heavy SUV / Pick-up	Allowable MAX. Input Torque	170 (kg-m)
Driving Type	Part Time	Weight	35 (kg)
Shifting Mode	2H→4H→4L (Rotary Switch)	Ratio	2.542
ECU Communication	CAN	Front Output Direction	LH
		Center Distance	244.49
		Location	China(Rizhao)



E1R170

Type of Vehicle	VAN	Engine	A-II 2.5 VGT
Application	FR based AWD MPV(Multi-Purpose Vehicle)	Allowable MAX. Input Torque	170 (kg-m)
Driving Type	Part Time	Weight	28 (kg)
Shifting Mode	2H→4H (Rotary Switch)	Ratio	1.000
ECU Communication	CAN	Front Output Direction	LH
		Center Distance	244.49
		Location	China(Rizhao)



E2R190

Type of Vehicle	JEEP & TRUCK	Engine	S-II
Application	FR Type Military light tactical Vehicle	Allowable MAX. Input Torque	190 (kg-m)
Driving Type	Part Time	Weight	56.5 (kg)
Shifting Mode	2H→4H→4L (Rotary Switch)	Ratio	2.717
ECU Communication	CAN	Front Output Direction	LH
		Center Distance	266.72
		Location	Korea(Seosan)



PTU 

P048HB

Type of Vehicle SUV
Application FF based AWD
Driving Type On Demand
Ring Gear Pitch Dia 122 (mm)

Allowable MAX. Input Torque 1,722 (N·m)
Weight 18 (kg)
Ratio 2.533
Oil Capacity 0.74 (Liter)
Reduction Type 2Steps
Location China(Rizhao)



PTU 

P056HA

Type of Vehicle SUV
Application FF based AWD
Driving Type On Demand
Ring Gear Pitch Dia 142 (mm)

Allowable MAX. Input Torque 1,900 (N·m)
Weight 13 (kg)
Ratio 2.533
Oil Capacity 0.5 (Liter)
Reduction Type 1Step
Location China(Rizhao)



P053HB

Type of Vehicle SUV
Application FF based AWD
Driving Type On Demand
Ring Gear Pitch Dia 134 (mm)

Allowable MAX. Input Torque 2,533 (N·m)
Weight 21.6 (kg)
Ratio 2.533
Oil Capacity 0.78 (Liter)
Reduction Type 2Steps
Location China(Rizhao)

