



New Hollow-Shaft Hypoid AC Inverter-Duty Gearmotors 230/460VAC

The new type 42R6-25H2 and 42R6-30H3 hypoid gearmotor combine our high-performance 42R inverter-duty AC, TENV motor with our highly efficient hypoid gearheads. The gearmotor's high torque and reliable performance make it an ideal drive for many industrial conveyors of factory automation equipment.

Type 25H2 and 30H3 Hypoid Gearhead

- More energy-efficient than similar worm-gear models
- Hollow shaft eliminates expensive shaft couplings, and mounting hardware
- Unvented gearhousing mounts in any orientation
- Permanently lubricated with high-performance lubricant
- Hardened steel gears for long life and maximum performance

All-New 42R AC Motor

- Totally enclosed non-ventilated
- High starting torque
- Class "F" insulation and ratings.
- Motor can be terminated in end shield
- Permanently lubricated, noise-tested, sealed, ball bearings
- IP-66 construction with PG-11 fitting and cord installed.
(Cord not included. PG-11 fitting provided in end shield cavity)

Type 42R6-25H2
Hypoid Gearmotor
(5:1 to 60:1)

Type 42R6-30H3
Hypoid Gearmotor
(80:1 to 240:1)



Typical Applications

Ideal for applications that require higher torque and lower power consumption than gearheads utilizing worm gears can provide: conveyors, pumps, packaging and other industrial automation equipment.

Hypoid AC Inverter-Duty Gearmotors (230/460VAC, 3-Phase)

Fixed Speed Rating					Variable Speed (SOA) Ratings¹						Radial Load ² (lbs.)	Product Type	230/460 VAC Model Number
Speed (rpm)	Torque (lb-in.)	Motor HP	Current (Amps)	Gear Ratio	Speed Range (rpm)	Frequency Range (Hz)	Torque Type	Torque @ 10 Hz (lb-in.)	Torque @ 60 Hz (lb-in.)	Torque @ 90 Hz (lb-in.)			
42R6-25H2 and 42R6-30H3 Inverter-Duty, TENV, IP-66, +40°C ambient													
7	2328	1/3	1.5/76	240	1-10	10-90	Variable	1469	2328	2042	708	42R6BEPP-30H3	3072
9	1940			200	1.2-12			1224	1940	1702	708	42R6BEPP-30H3	3071
11	1552			160	1.5-15			979	1552	1361	708	42R6BEPP-30H3	3070
14	1164			120	2-20.2			735	1164	1021	708	42R6BEPP-30H3	3069
21	776			80	3-30			490	776	681	696	42R6BEPP-30H3	3068
28	589			60	4-40			372	589	517	575	42R6BEPP-25H2	3067
43	393			40	6-61			248	393	344	518	42R6BEPP-25H2	3066
57	319			30	8-81			201	319	280	475	42R6BEPP-25H2	3065
85	213			20	12-121			134	213	187	419	42R6BEPP-25H2	3064
115	160			15	16-161			101	160	140	388	42R6BEPP-25H2	3063
170	106			10	24-242			67	106	93	342	42R6BEPP-25H2	3062
340	53			5	48-484			34	53	47	277	42R6BEPP-25H2	3061

¹ SOA: Contact the factory for detailed speed/torque information (Safe Operating Area).

² The radial (overhung) load ratings are calculated 0.75 in. from the mounting face.

