



Helical Gear Reducers

FEATURES

H-series gear units have been designed to be highly **reliable** even under heavy working conditions, and are particularly suited for applications involving **high radial loads**. The H-series includes a **large number** of extremely **versatile** models, available in cast iron from size 030 to size 140 and in aluminum from size A30 to size A60.



H-PH
Fitted for motor coupling - Coupling with flexible coupling



CH
With compact motor



IH
With input shaft



HA
Fitted for motor coupling



CHA
With compact motor



IHA
With input shaft

CAST IRON

**Sizes: 030-040-050-060-080
100-125-140**

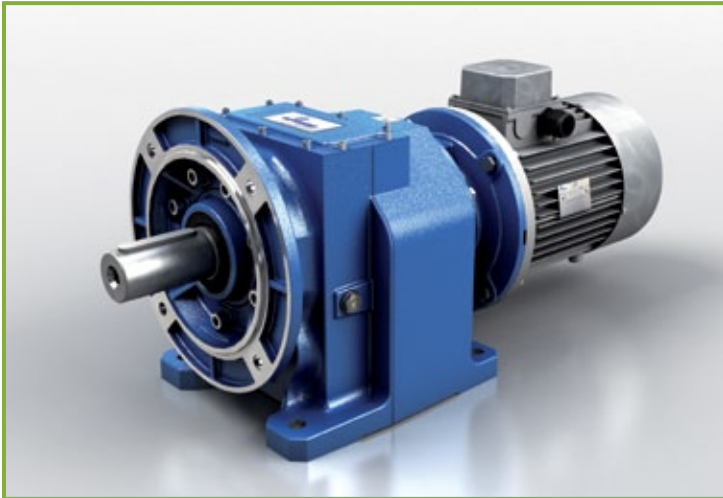
- Casing with feet, flange F or universal U
- Gearing with 1, 2 and 3 reduction stages
- Gears hardened and tempered with shaved or ground profile
- Cases in G200 gray cast iron for high strength and optimized with FEM analysis
- Excellent mechanical strength, particularly suitable to support high axial loads and high reliability
- Load capacity calculated to ISO6336 and verified according to AGMA 2001
- Painted with RAL 5010 blue epoxy-polyester powder according to DIN 1843
- ATEX versions available 2GD/3GD
- Accessories: output flange, backstop device, reinforced output

ALUMINUM

**Sizes:
A30-A40-A50-A60**

- Casing with feet, flange F or universal U
- Gearing with 1, 2 and 3 reduction stages
- Gears hardened and tempered with shaved or ground profile
- Cases in die-cast aluminum alloy
- Excellent mechanical strength while being particularly lightweight
- Load capacity calculated to ISO6336 and verified according to AGMA 2001
- Painted with RAL 5010 blue epoxy-polyester powder according to DIN 1843
- ATEX versions available 3GD

RANGE



	*Ø [mm]	Output Torque M ₂ [Nm]	Ratio(i)	
		Max	Min	Max
H030	25	200	4.70	245.70
H040	19-30	300	1.44	282.10
H050	24-35	500	1.27	267.65
H060	28-35-40	850	1.34	268.00
H080	38-40-50	1800	1.30	222.78
H100	48-60	3600	1.29	242.59
H125	55-70	5000	1.23	230.92
H140	90	8000	5.27	206.08

- Power from 0.12 kW up to 45 kw
- Reduction ratios between 1.23 and 282.10
- Torque max 8.000 Nm
- Admissible radial loads max 55.000 N



	*Ø [mm]	Output Torque M ₂ [Nm]	Ratio (i)	
		Max	Min	Max
HA30	11-14-16-19-19.7-20	100	5.38	347.29
HA40	16-19-20-22-24-25-28	150	1.45	347.29
HA50	24-25-28-30-32-35	300	1.45	353.98
HA60	24-28-30-35-40	480	1.33	353.98

- Power from 0.12 kW up to 4.8 kw
- Reduction ratios between 1.33 e 353.98
- Torque max 480 Nm
- Admissible radial loads max 8.000 N

CAST IRON VERSIONS



H... Single Stage
Foot mounting



H... 2/3 Stages
Foot mounting



HA...F Single Stage
Flange mounting



H...F 2/3 Stages
Flange mounting



H...M Single Stage
Foot mounting with low
output shaft centre



H...U 2/3 Stages
Foot/flange mounting



H...U Single Stage
Foot/flange mounting

ALUMINUM VERSIONS



HA.. Single Stage
Foot mounting



HA..F 2 Stages
Flange mounting



HA..F Single Stage
Flange mounting



HA..F 3 Stages
Flange mounting



HA.. 2 Stages
Foot mounting



HA..U 2/3 Stages
Foot/flange mounting



HA.. 3 Stages
Foot mounting

WORLDWIDE



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