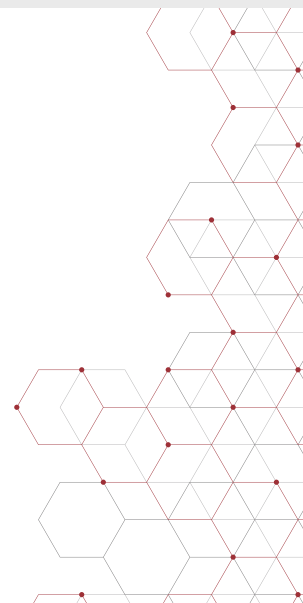




Helical Gear Reducers



ALUMINIUM VERSIONS



HA.. SINGLE STAGE
Foot mounting



HA..F SINGLE STAGE
Flange mounting



HA.. 2 STAGES
Foot mounting



HA.. 3 STAGES
Foot mounting



HA..F 2 STAGES
Flange mounting



HA..F 3 STAGES
Flange mounting



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

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 aluminium from size A30 to size A60.



H - PH
Fitted for C-face
motor input with
flexible coupling



CH
With compact motor

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 grey 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
- ATEX versions available 2GD/3GD
- Accessories: output flange, backstop device, reinforced seals on output shaft and viton seals



IH
With input shaft

ALUMINIUM

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 aluminium alloy
- Excellent mechanical strength while being and particularly lightweight
- Load capacity calculated to ISO6336 and verified according to AGMA 2001
- Painted with RAL 5010 blue epoxy-polyester powder
- ATEX versions available 3GD



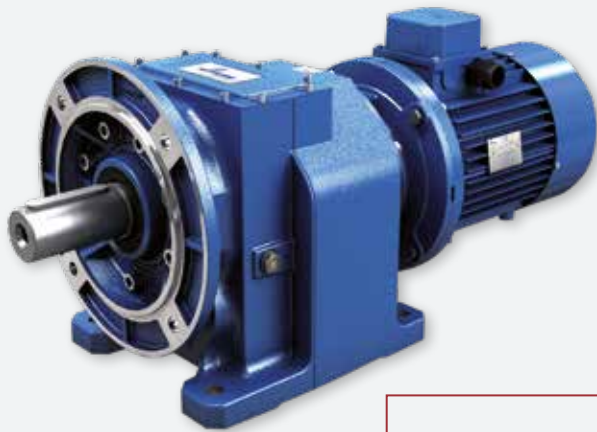
HA
C-Face Motor Input,
quill mount



CHA
With compact motor



IHA
With input shaft



	Ø [in]	Output Torque M ₂ [lb]	Ratio ⁽¹⁾	
		Max	Min	Max
H030	1	45	4.70	245.70
H040	1.25	67	1.44	282.10
H050	1.375	112	1.27	267.65
H060	1.625	191	1.34	268.00
H080	2.125	405	1.30	222.78
H100	2.375	809	1.29	242.59
H125	2.875	1124	1.23	230.92
H140	3.625	1798	5.27	206.08

- Power from 0.16 hp up to 75 hp
- Reduction ratios between 1.23 and 282.10
- Nominal torque up to 70,806 in-lb
- Admissible radial loads max 12365 lb

NEW

- Reinforced input flanges for big cast iron motors
- Increased torsional rigidity thanks to the new cast iron inspection cover
- Metal plate for aggressive environments
- Oil-free gearbox to allow the most suitable choice of lubricant for every application requirement

n ₂ (rpm)	Viscosity index	
	Mineral oil	Synthetic oil
	+32 ÷ +104 [°F]	+14 ÷ +122 [°F]
> 210	150	150
210 ÷ 20	150	220
20 ÷ 5	220	320
< 5	320	460



	Ø [in]	Output Torque M ₂ [lb]	Ratio ⁽¹⁾	
		Max	Min	Max
HA30	0.43-0.55-0.63-0.75-0.78-0.79	22	5.38	347.29
HA40	0.75-1	34	1.45	347.29
HA50	1-1.25	67	1.45	353.98
HA60	1.25-1.625	108	1.33	353.98

- Power from 0.16 hp up to 5 hp
- Reduction ratios between 1.33 e 353.98
- Nominal torque up to 4,248 in-lb
- Admissible radial loads max 1798 lb

CAST IRON VERSIONS



HR...SINGLE STAGE
Foot mounting



HR...F SINGLE STAGE
Flange mounting



HR...M SINGLE STAGE
Foot mounting with low output
shaft centre



HR...U SINGLE STAGE
Foot/flange mounting



H... 2/3 STAGES
Foot mounting



H...F 2/3 STAGES
Flange mounting



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

SALES NETWORK



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