H SERIES

Helical **Gear Reducers**

MOTOVARIO®
HEART OF MOTION
a TECO Group company

Features

H SERIES

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.

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 according to DIN 1843
- ATEX versions available 2GD/3GD
- Accessories: output flange, backstop device, reinforced output

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

CH
With compact motor

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 according to DIN 1843
- ATEX versions available 3GD

HA
Fitted for motor coupling

CHA
With compact motor

IHA
With input shaft

Cast Iron Versions

H SERIES

H... Single Stage

Foot mounting

H...F Single Stage

Flange mounting

H...M Single Stage

Foot mounting with low output shaft centre

H...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

Aluminium Versions

H SERIES

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

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Range

H SERIES

	*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	1.800	1,30	222,78
H100	48-60	3.600	1,29	242,59
H125	55-70	5.000	1,23	230,92
H140	90	8.000	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

WORLDWIDE

DP-H EN/2016/REV.0

Subsidiaries

Germany

France

Spain

United Kingdom

Denmark

USA

China

India

MAC™
MOTOVARIO ASSEMBLY CENTRE

Italy
Australia
Benelux
Bulgaria
China
Finland
France
India
Ireland
Israel
Lithuania
Malaysia
Netherlands
Poland
Portugal
South Korea
Spain
Sweden
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United Kingdom
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