



Shaft-mounted Gear reducers



PS 050-125
Fitted for C-face motor input
with flexible coupling



S 140-150
C-Face Motor Input, quill mount
(IEC/NEMA)



CS 050-125
With compact motor



S 140-150
With motor



IS 050-125
With input shaft



IS 140-150
With input shaft



FEATURES



Specifically designed for applications involving conveyors or augers, these units are also suitable for a wide variety of industrial fields. S-series shaft-mounted gear reducers, available in cast iron casing only, sizes from 050 to 150, offer a large range of reduction ratios and are fully efficient in any working conditions. **The new S Series includes two new sizes, 140 and 150**, to extend the shaft mounting to heavier applications.

SIZES:

050-060-080-100-125

- Universal casing
- Versions:
 - S... C Foot-flange mounting / Hollow shaft
 - S... D Foot-flange mounting / Solid shaft
 - S... L Foot-flange mounting / Shrink disc shaft
- Gearing with 2 and 3 reduction stages
- Modularity
- Gears hardened and tempered with shaved or ground profile
- Cases in EN-GJL-200 grey cast iron for high strength and optimized with FEM analysis
- Excellent mechanical strength
- Load capacity calculated to ISO 6336, DIN 3990 and AGMA 2001
- Painted with RAL 5010 blue epoxy-polyester powder
- ATEX versions available 2GD/3GD

SIZES:

140-150

- Universal casing
- Versions:
 - S... C Foot-flange mounting / Hollow shaft
 - S... L Foot-flange mounting / Shrink disc shaft
- Gearing with 2 and 3 reduction stages
- Gears hardened and tempered with ground profile
- Cases in EN-GJL-200 grey cast iron
- Load capacity calculated to ISO 6336, DIN 3990 and AGMA 2001
- Gearboxes supplied without lubricant
- Painted with RAL 5010 blue epoxy-polyester powder



S 050-060-080-100-125

	*Ø [in]	Output torque M ₂ [lb]	Ratio	
		Max	Min	Max
S050	1.25	79	8.63	314.21
S060	1.375	135	8.00	267.16
S080	1.5	225	7.34	360.58
S100	2	360	8.06	394.69
S125	2.375	674	8.48	238.93
S140	2.76-2.56	1079	4.11	273.41
S150	3.54-3.15	2136	4.06	253.35

* The diameter of the low speed shaft can change according to the number of stages of the gear reducer

- Power from 0.16 hp up to 30 hp with three phase 4 pole motors
- Reduction ratios between 4.06 and 394.69
- Nominal torque up to 84,402 in-lb
- Admissible radial loads max 8992 lb



S 140-150

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

ACCESSORIES



OUTPUT FLANGES



FA



FB-FC



FG

	FA	FB	FC	FG
S050	•	•	-	-
S060	•	•	-	-
S080	•	•	•	-
S100	•	•	•	-
S125	•	•	•	-
S140	-	-	-	•
S150	-	-	-	•

- Available
- Not available

OTHER ACCESSORIES

	S050-S125	S140-S150
Double solid output shaft	-	•
Single solid output shaft	•	•
Torque arm	-	•
Reaction bolt	•	•
Shrink disk	•	•
Backstop device	•	•
Assembly/disassembly kit	•	-
Reinforced output seals	•	-
Viton seals	•	•

- Available
- Not available

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