

Catalog designation

FAF87 DRN100LM4
Parallel-shaft helical gearmotors F..DRN.. (IE3)

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Reference data

Transaction : 423253080
Item : 100

Product data

Speed 50Hz [r/min]	: 1456 / 13
Speed 60Hz [r/min]	: 1762 / 16
Total ratio [i]	: 109,49 / infinite
Ma max [Nm]	: 3.000
Ta max [lb-in]	: 26.600
Output torque 50Hz [Nm]	: 1580
Output torque 50Hz [lb-in]	: 14000
Output torque 60Hz [Nm]	: 1310
Output torque 60Hz [lb-in]	: 11600
Service factor SEW-FB	: 1,90 / 2,30
Mounting position	: M1
Term.box.pos.[°] / cable entry	: 0 (R) / normal
Lubricant / -volume [l]	: CLP 220 Miner.Oil / 11,00
Lubricant volume [US gal]	: 2.90
Paint coat	: Top coat RAL3020 (traffic red)
Gear unit	: FAF87
Hollow shaft	: 60mm
Design	: B5-flange-mounted version and hollow shaft
Safety cover	: None
Flange	: 350mm
Breather variant	: Standard
Delivery state	: Breather valve mounted
Screw plug bore dimens. sheet	: 42001_95
Documentation no. A	: 27801357
Parts list	: 422721695
Motor	: DRN100LM4
Motor power [kW]	: 2.2
Motor power [HP]	: 3.0
Cyclic duration factor S1-S10	: S1
Multi range-voltage 50Hz [V]	: 220-230 delta / 380-400 star
Nominal current [A]	: 8,40 / 4,85
Multi range-voltage 60Hz [V]	: 254-266 delta / 440-460 star
Nominal current [A]	: 7,40 / 4,30
cos phi	: 0,76 / 0,73
Wiring diagram	: R13 / 680010306
Thermal cl.[°C]/Enclosure[IP]	: 155(F) / 55
Service factor motor	: 1.15
International efficiency class	: IE3
Efficiency 50Hz at 50/75/100% Pn [%]	: 86,4 / 87,3 / 86,7
Efficiency 60Hz	



at 50/75/100% Pn [%]	: 88,1 / 89,5 / 89,5
Design specification	: Europe (CE)/USA (UR)/Canada (CSA)
CE mark	: Yes
EISA identification	: Yes, conform to EISA
K.V.A.code	: M
Design	: NEMA A
Terminal box	: Terminal box lower part made of aluminum with tapped hole 1xM32, 1xM16
CT speed range	: 300-1800RPM
Documentation no. A	: 25957074 26861313 30589460
Spare parts list	: You can find the SWPL (spare and wearing parts list) under the serial number in the Online Support.
Nameplate	: English
Nameplate position	: 270°
Opera.instr. A lang./quantity	: English / 0
Parts list/language/quantity	: English / 0
Commodity code	: 85015220
Weight	: 141.00 kg