

Catalog designation

FHZ87 DRN160M4
Parallel-shaft helical gearmotors F..DRN.. (IE3)

Click these icons for further information in Online Support



Reference data

Transaction : 425329968
Item : 100

Product data

Speed 50Hz [r/min] : 1473 / 76
Speed 60Hz [r/min] : 1776 / 92
Total ratio [i] : 19,31 / infinite
Ma max [Nm] : 3.000
Ta max [lb-in] : 26.600
Output torque 50Hz [Nm] : 1380
Output torque 60Hz [Nm] : 1140
Service factor SEW-FB : 2,20 / 2,60
Mounting position : M5
Term.box.pos.[°] / cable entry : 270 (T) / normal
Lubricant / -volume [l] : CLP 220 Miner.Oil / 10,90
Paint coat : Top coat RAL7031 (blue gray)



Gear unit : FHZ87
Hollow shaft : 65mm
Design : B14-flange-mounted version and hollow shaft with shrink disc
Flange : 155mm centering shoulder
Breather variant : Standard
Delivery state : Breather valve mounted
Screw plug bore dimens. sheet : 42001_95
Documentation no. A : 31988695
Spare parts list : You can find the SWPL (spare and wearing parts list) under the serial number in the Online Support.

Motor : DRN160M4
Motor power [kW] : 11
Motor power [HP] : 15.0
Cyclic duration factor S1-S10 : S1
Multi range-voltage 50Hz [V] : 380-400 delta / 660-690 star
Nominal current [A] : 22,00 / 12,60
Multi range-voltage 60Hz [V] : 440-460 delta
Nominal current [A] : 19,10
cos phi : 0,81 / 0,80
Wiring diagram : R13 / 680010506
Thermal cl.[°C]/Enclosure[IP] : 155(F) / 55
International efficiency class : IE3
Efficiency 50Hz
at 50/75/100% Pn [%] : 91,1 / 91,7 / 91,4
Efficiency 60Hz
at 50/75/100% Pn [%] : 91,2 / 92,3 / 92,4
CE mark : Yes

Terminal box	: Terminal box lower part made of aluminum with tapped hole 2xM40, 2xM16
Documentation no. A	: 25957155 26861402 30589541
Spare parts list	: You can find the SWPL (spare and wearing parts list) under the serial number in the Online Support.
Nameplate	: German
Nameplate position	: 180°
Opera.instr. A lang./quantity	: Spanish / 0
Parts list/language/quantity	: Spanish / 0
Commodity code	: 85015230
Weight	: 214.50 kg