

Date: 04/17/2024

Itm.	Quantity	Part No.
01	SEW product ref.:	05.5069232001.0001.04

1 EA

Helical gearmotor

RF37 DRN80M4/EK8C

**Remark:**

Colour and technical specifications may vary from the picture shown. The technical specification is according to the following data.

Links to documentation:

Speed 50Hz [r/min]	: 1440 / 122
Speed 60Hz [r/min]	: 1751 / 148
Total ratio [i]	: 11.83 / infinite
Ma max [Nm]	: 183
Ta max [lb-in]	: 1620
Output torque 50Hz [Nm]	: 59
Output torque 50Hz [lb-in]	: 520
Output torque 60Hz [Nm]	: 48
Output torque 60Hz [lb-in]	: 425
Service factor SEW-FB	: 3.10 / 3.80
Mounting position	: M4
Term.box.pos.[°] / cable entry	: 0 (R) / normal
Lubricant / -volume [l]	: CLP 220 Miner.Oil / 1.05
Lubricant volume [US gal]	: 0.28
Paint coat	: Top coat RAL7031 (blue gray)

Southeast Region Assembly Center
SEW-Eurodrive, Inc.
 220 Finch Rd. Wellford, SC 29385
 P.O. Box 518
 Lyman, SC 29365
 Tel: (864) 439-7537
 Fax: (864) 439-7830
 cshlyman@seweurodrive.com

Industrial Gear Assembly Center
SEW-Eurodrive, Inc.
 148 Finch Rd. Wellford, SC 29385
 P.O. Box 518
 Lyman, SC 29365
 Tel: (864) 439-7537
 Fax: (864) 661-1167
 IGSSOrders@seweurodrive.com

Midwest Region Assembly Center
SEW-Eurodrive, Inc.
 2001 West Main St.
 Troy, OH 45373
 Tel: (937) 335-0036
 Fax: (937) 332-0038
 cstroy@seweurodrive.com

Northeast Region Assembly Center
SEW-Eurodrive, Inc.
 2107 High Hill Rd.
 P.O. Box 481
 Bridgeport, NJ 08014
 Tel: (856) 467-2277
 Fax: (856) 845-3179
 csbridgeport@seweurodrive.com

Southwest Region Assembly Center
SEW-Eurodrive, Inc.
 202 W. Danieldale Rd.
 DeSoto, TX 75115
 Tel: (214) 330-4824
 Fax: (214) 330-4724
 csdallas@seweurodrive.com

Western Region Assembly Center
SEW-Eurodrive, Inc.
 30599 San Antonio St.
 Hayward, CA 94544
 Tel: (510) 487-3560
 Fax: (510) 487-6433
 cshayward@seweurodrive.com

For additional documentation and product information please visit: www.seweurodrive.com

Date: 04/17/2024

Itm.	Quantity	Part No.
Gear unit		
		: RF37
Output shaft end		: 25x50mm lg.
Output shaft design		: with keyway/with key
Flange		: 160mm
Output oil seal		: 2 oil seals
Breather variant		: Standard
Delivery state		: Breather valve mounted in flange
Screw plug bore dimens. sheet		: 01002__96
Documentation no. A		: 27801357
Parts list		: 63036479
Motor		
		: DRN80M4/EK8C
Motor power [kW]		: 0.75
Motor power [HP]		: 1.0
Cyclic duration factor S1-S10		: S1
Multi range-voltage 50Hz [V]		: 220-230 delta / 380-400 star
Nominal current [A]		: 3.05 / 1.75
Multi range-voltage 60Hz [V]		: 254-266 delta / 440-460 star
Nominal current [A]		: 2.70 / 1.56
cos phi		: 0.74 / 0.70
Wiring diagram		: R13 / 680010306
Thermal cl.[°C]/Enclosure[IP]		: 155(F) / 54
Service factor motor		: 1.15
International efficiency class		: IE3
Efficiency 50Hz		
at 50/75/100% Pn [%]		: 80.7 / 82.9 / 82.9
Efficiency 60Hz		
at 50/75/100% Pn [%]		: 82.0 / 84.9 / 85.5
Design specification		: Europe (CE)/USA (UR)/Canada (CSA)
CE mark		: Yes
EISA identification		: Yes, conform to EISA
K.V.A.code		: M
Design		: NEMA C
Fan guard		: Metal fan guard
Encoder		: EK8C / Shaft-centered, non-positive mounting via cone shaft
Electrical interface		: HTL/TTL
Incremental value		: 1024
Absolute value		: without
Encoder connection		: Integrated encoder plug connector on encoder cover with connection cover without thermal monitoring of the motor A1GA

Southeast Region Assembly Center
SEW-Eurodrive, Inc.
220 Finch Rd. Wellford, SC 29385
P.O. Box 518
Lyman, SC 29365
Tel: (864) 439-7537
Fax: (864) 439-7830
cslyman@seweurodrive.com

Industrial Gear Assembly Center
SEW-Eurodrive, Inc.
148 Finch Rd. Wellford, SC 29385
P.O. Box 518
Lyman, SC 29365
Tel: (864) 439-7537
Fax: (864) 861-1187
IGSSOrders@seweurodrive.com

Midwest Region Assembly Center
SEW-Eurodrive, Inc.
2001 West Main St.
Troy, OH 45373
Tel: (937) 335-0036
Fax: (937) 332-0038
csroy@seweurodrive.com

Northeast Region Assembly Center
SEW-Eurodrive, Inc.
2107 High Hill Rd.
P.O. Box 481
Bridgeport, NJ 08014
Tel: (856) 467-2277
Fax: (856) 845-3179
csbridgeport@seweurodrive.com

Southwest Region Assembly Center
SEW-Eurodrive, Inc.
202 W. Danieldale Rd.
DeSoto, TX 75115
Tel: (214) 330-4824
Fax: (214) 330-4724
csdallas@seweurodrive.com

Western Region Assembly Center
SEW-Eurodrive, Inc.
30599 San Antonio St.
Hayward, CA 94544
Tel: (510) 487-3560
Fax: (510) 487-6433
cs Hayward@seweurodrive.com

For additional documentation and product information please visit: www.seweurodrive.com

Date: 04/17/2024

Itm.	Quantity	Part No.
Encoder IS posit. cable entry		: 0 (R) / normal
Encoder design		: Supply voltage DC 4.5-30 V
Encoder wiring diagram		: G21A / 63377500.01
Encoder code 1		: 09AB00AN60AG
Technical data sheet encoder		: 63297973
Terminal box		: Terminal box lower part made of aluminum with tapped hole 1xM25, 1xM16
CT speed range		: 300-1800rpm
Documentation no. A		: 25957074 26861313 30589460 31543952
Nameplate		: English
Nameplate position		: 270°
Opera.instr. A lang./quantity		: English / 0
Parts list/language/quantity		: English / 0

Total net weight approx. 54 LB

Southeast Region Assembly Center
SEW-Eurodrive, Inc.
 220 Finch Rd. Wellford, SC 29385
 P.O. Box 518
 Lyman, SC 29365
 Tel: (864) 439-7537
 Fax: (864) 439-7830
 cslyman@seweurodrive.com

Industrial Gear Assembly Center
SEW-Eurodrive, Inc.
 148 Finch Rd. Wellford, SC 29385
 P.O. Box 518
 Lyman, SC 29365
 Tel: (864) 439-7537
 Fax: (864) 661-1167
 IGSSOrders@seweurodrive.com

Midwest Region Assembly Center
SEW-Eurodrive, Inc.
 2001 West Main St.
 Troy, OH 45373
 Tel: (937) 335-0036
 Fax: (937) 332-0038
 cstroy@seweurodrive.com

Northeast Region Assembly Center
SEW-Eurodrive, Inc.
 2107 High Hill Rd.
 P.O. Box 481
 Bridgeport, NJ 08014
 Tel: (856) 467-2277
 Fax: (856) 845-3179
 csbridgeport@seweurodrive.com

Southwest Region Assembly Center
SEW-Eurodrive, Inc.
 202 W. Danieldale Rd.
 DeSoto, TX 75115
 Tel: (214) 330-4824
 Fax: (214) 330-4724
 csdallas@seweurodrive.com

Western Region Assembly Center
SEW-Eurodrive, Inc.
 30599 San Antonio St.
 Hayward, CA 94544
 Tel: (510) 487-3560
 Fax: (510) 487-6433
 cshayward@seweurodrive.com

For additional documentation and product information please visit: www.seweurodrive.com