

BALDOR • RELIANCE

Customer information packet

CFSWDM41900T

15HP, 1180RPM, 3PH, 60HZ, 284TC, 4072M, TEFC, F

Specifications

Enclosure	TEFC
Frame	284TC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA NEMA PREMIUM UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	20.000 A @ 460.0 V 40.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	20.0 a
Insulation Class	H

Part detail

Revision	K
Type	AC
Mech. spec.	40E429
Base	
Status	PRD/A
Elec. spec.	40WGX382
Layout	40LYE429
Eff. date	09-22-2023
CD Diagram	CD0180
Poles	06
Leads	9#10 Y
Proprietary	False
Created date	06-06-2017

Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	4072M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	28.14 IN
Power Factor	78
Product Family	WD All SD Non-Encapsulated
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1180 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

AC Induction Motor Performance Data

Record # 68283

Typical performance - not guaranteed values

Winding: 40WGX382-R001		Type: 4072M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	15	Full Load Torque	66.92 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	40/20	Breakdown Torque	207 LB-FT		
R.P.M.	1180	Pull-up Torque	101 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	125 LB-FT	
NEMA Design Code	A	KVA Code	H	Starting Current	127 A
Service Factor (S.F.)	1.15		No-load Current	9.3 A	
NEMA Nom. Eff.	91.7	Power Factor	78	Line-line Res. @ 25°C	0.49611 Ω
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	49°C	
S.F. Amps			Temp. Rise @ S.F. Load	59°C	
			Locked-rotor Power Factor	30.2	

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	60	72	78	80	82	79
Efficiency	88.7	92.7	93.4	93.2	92.7	91.8	92.9
Speed	1195.1	1191.1	1186.7	1181.9	1176.7	1170.8	1179
Line amperes	10.3	12.6	15.8	19.5	23.6	28.2	22

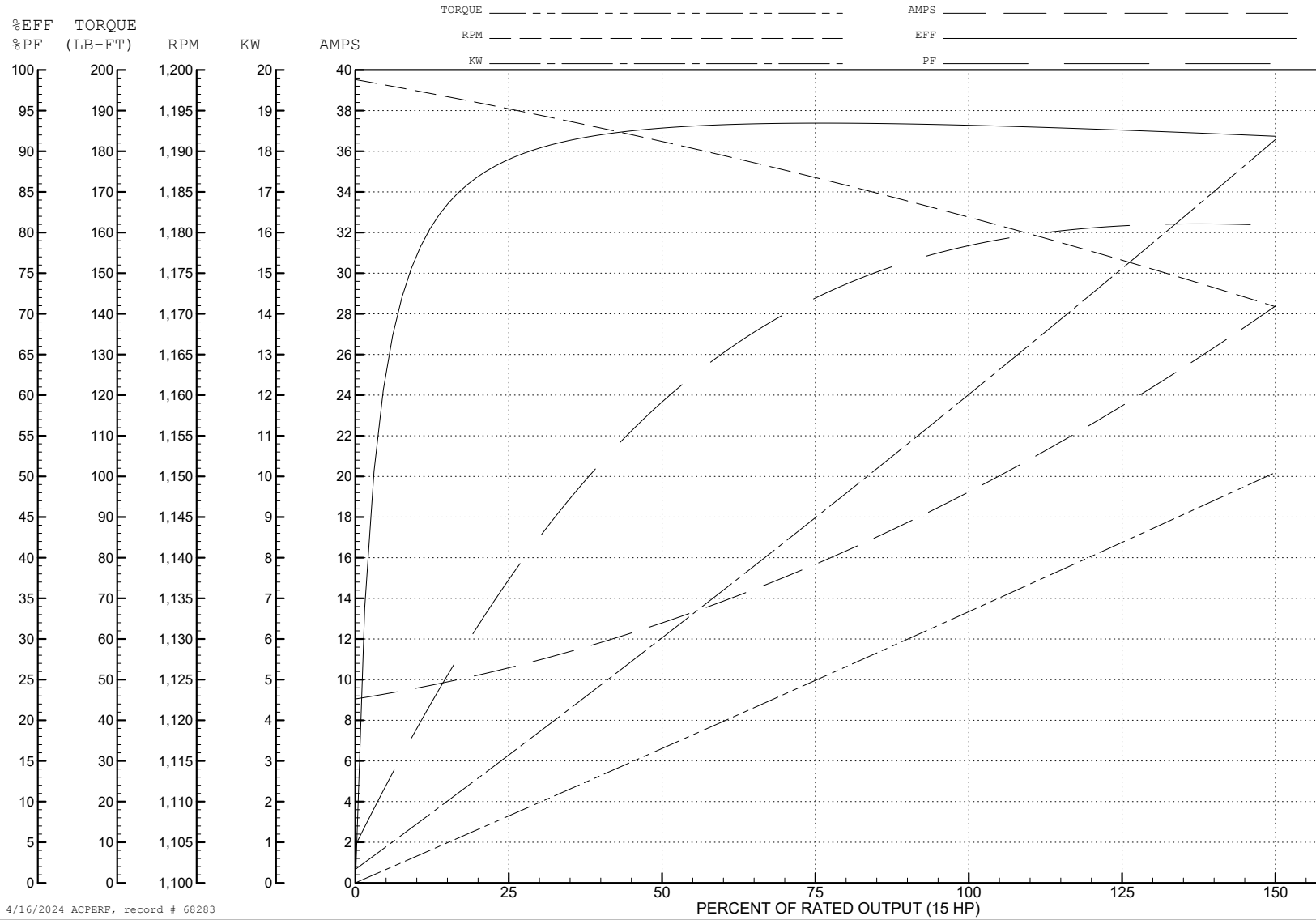
ABB Motors and Mechanical Inc.

WINDING # 40WGx382

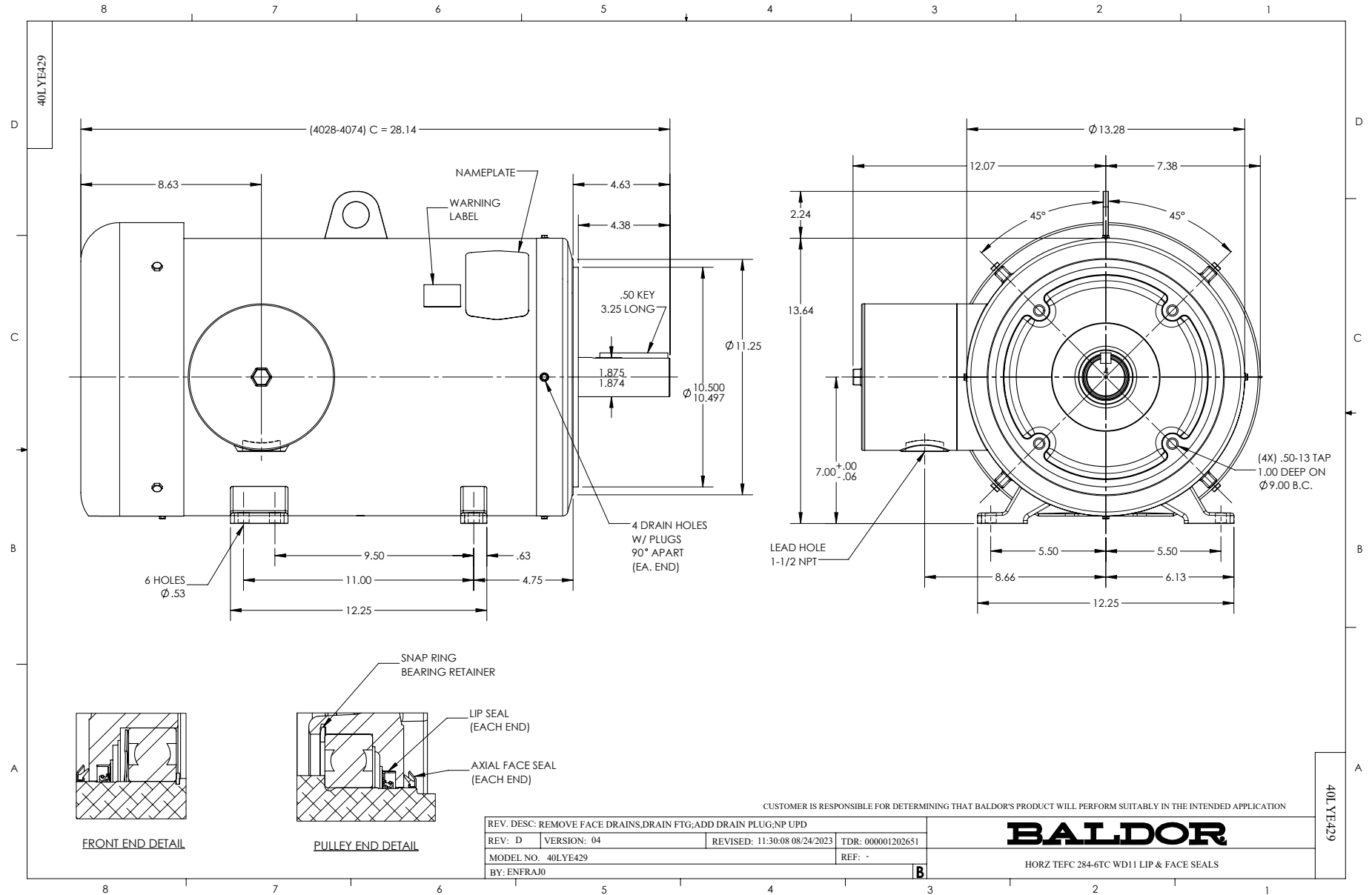
Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1180 RPM 460 V 4072M

TORQUES (LB-FT): PO=207 PU=101 LR=125 LRA=127



4/16/2024 ACPERF, record # 68283



CD0180



LOW VOLTAGE
(2D)



HIGH VOLTAGE
(1D)



NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0180

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3PH, DV, 9 LEADS, DELTA CONNECTION

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