

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	184LP
<b>Frame Material</b>	Iron
<b>Frequency</b>	60.00 Hz
<b>Haz Area Class and Group</b>	CL I GP A,B,C,D
<b>Haz Area Division</b>	Division II
<b>Motor Letter Type</b>	Three Phase
<b>Output @ Frequency</b>	5.000 HP @ 60 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	460.0 V @ 60 HZ
<b>Agency Approvals</b>	CSA EEV NEMA PREMIUM UR CSA
<b>Ambient Temperature</b>	40 °C
<b>Auxillary Box</b>	No Auxillary Box
<b>Auxillary Box Lead Termination</b>	None
<b>Base Indicator</b>	No Mounting
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)
<b>Blower</b>	None
<b>Constant Torque Speed Range</b>	0-
<b>Current @ Voltage</b>	6.600 A @ 460.0 V
<b>Design Code</b>	B
<b>Drip Cover</b>	Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	89.5 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Enclosure Modification</b>	841
<b>Feedback Device</b>	NO FEEDBACK
<b>Front Shaft Indicator</b>	None
<b>Haz Area Temp Code</b>	T3C

**Part detail**

<b>Revision</b>	K
<b>Type</b>	AC
<b>Mech. spec.</b>	06J487
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	06WGX203
<b>Layout</b>	06LYJ487
<b>Eff. date</b>	10-03-2022
<b>CD Diagram</b>	CD0006
<b>Poles</b>	04
<b>Leads</b>	3#16
<b>Proprietary</b>	False
<b>Created date</b>	03-27-2019

Heater Indicator	No Heater
High Voltage Full Load Amps	6.6 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	IP56
KVA Code	J
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0642M
Mounting Arrangement	W6
Number of Poles	4
Overall Length	22.68 IN
Power Factor	79
Product Family	Chem Process S/P 32-8 IEEE 841
Pulley End Bearing Type	Ball
Pulley Face Code	P-Base
Pulley Shaft Indicator	P-Base Groove & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1750 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

## Nameplate

NP4328

<b>CAT.NO.</b>	VLECP83665T-4				
<b>SPEC.</b>	06J487X203G1				
<b>HP</b>	5 TE	<b>IP</b>	56		
<b>VOLTS</b>	460				
<b>AMPS</b>	6.45				
<b>R.P.M.</b>	1750				
<b>FRAME</b>	184LP	<b>HZ</b>	60	<b>PH</b>	3
<b>SER.F.</b>	1.15	<b>CODE</b>	J	<b>DES.</b>	B
		<b>CLASS</b>	F		
<b>RATING</b>	40C AMB-CONT				
<b>SN</b>					
<b>DE</b>	6307	<b>ODE</b>	7305		
<b>NEMA NOM. EFF.</b>	89.5	<b>P.F.</b>	81		
<b>GUAR. MIN. EFF.</b>	87.5	<b>CC</b>	010A		
<b>T. CODE</b>	T3C	<b>TEMP=</b>	160		

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**NP3186**


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<b>SPEC.</b>	06J487X203G1				
<b>ABMA DE BRG</b>	35BC03X30X				
<b>ABMA ODE BRG</b>	25BC03X30X				
<b>GREASE</b>	POLYREX EM				
<b>MOTOR WEIGHT</b>	115	<b>ROTOR BARS</b>	28	<b>STATOR BARS</b>	36
<b>MAX. R.P.M.</b>	2700	<b>MAX. KVAR</b>	1		
<b>INV.TYPE</b>	PWM				
<b>T=</b>	160				
<b>CHP</b>	60	<b>TO</b>	90		
<b>CT</b>	1.7	<b>TO</b>	60		
<b>VT</b>	-0	<b>TO</b>	60		
<b>HTR-VOLTS</b>	N/A	<b>HTR-AMPS</b>	N/A		
<b>HTR-WATTS</b>	N/A	<b>MAX. SPACE HEATER TEMP.</b>	N/A		

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**AC Induction Motor Performance Data**

Record # 92406

Typical performance - not guaranteed values

Winding: 06WGX203-R061		Type: 0642M	Enclosure: TEFC	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: Single Voltage Motor</b>	
Rated Output (HP)	5	Full Load Torque	15 LB-FT	
Volts	460	Start Configuration	direct on line	
Full Load Amps	6.6	Breakdown Torque	53.9 LB-FT	
R.P.M.	1750	Pull-up Torque	22.4 LB-FT	
Hz	60 Phase	Locked-rotor Torque	31.8 LB-FT	
NEMA Design Code	B KVA Code	Starting Current	46 A	
Service Factor (S.F.)	1.15	No-load Current	3.02 A	
NEMA Nom. Eff.	89.5 Power Factor	Line-line Res. @ 25°C	2.63 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	53°C	
S.F. Amps		Temp. Rise @ S.F. Load	65°C	
		Locked-rotor Power Factor	40.5	
		Rotor inertia	0.391 lb-ft <sup>2</sup>	

**Load Characteristics 460 V, 60 Hz, 5 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	63	75	81	84	85	81
Efficiency	85.2	89.8	90.4	89.5	88.4	86.9	88.7
Speed	1789	1777	1765	1752	1737	1721	1739
Line amperes	3.35	4.14	5.21	6.45	7.91	9.47	7.52

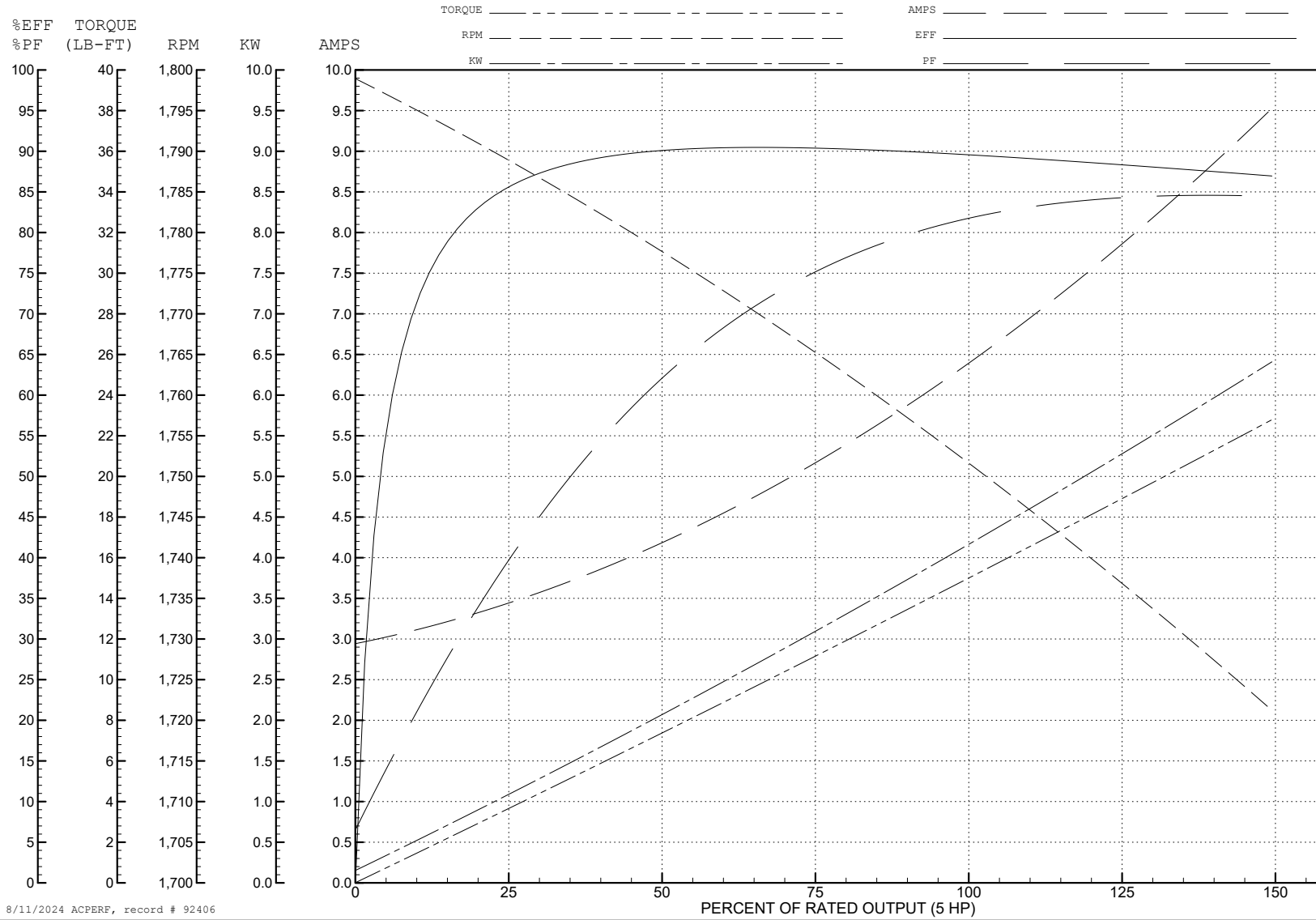
ABB Motors and Mechanical Inc.

WINDING # 06WGX203

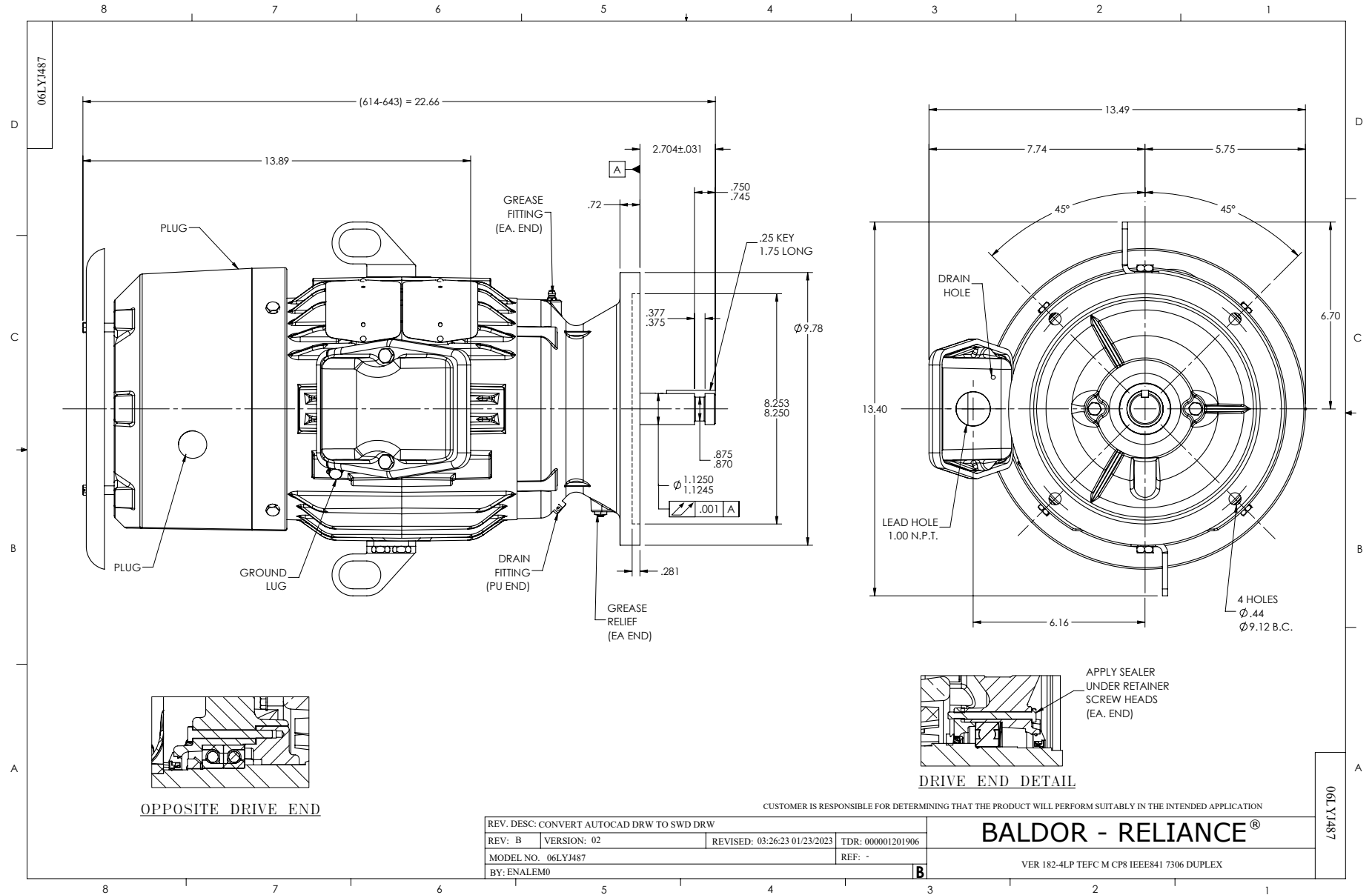
5 HP 3 PH 60 HZ 1750 RPM 460 V 0642M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=53.9 PU=22.4 LR=31.8 LRA=46



8/11/2024 ACPERF, record # 92406



CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIRO
MTL: -	© □	

**BALDOR - RELIANCE®**

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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