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# Customer information packet

## JPDRX18544T-5

5HP, 1750RPM, 3PH, 60HZ, 184JP, XPFC, F1

Class - CLI GP C,D

Division - Division I

## Specifications

Enclosure	XPFC
Frame	184JP
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CSA EEV UL
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
Constant Torque Speed Range	6
Current @ Voltage	5.300 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	5.3 a
Insulation Class	F
Inverter Code	Inverter Duty

## Part detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	06WGX200
Layout	06LYH458
Eff. date	02-28-2024
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	08-02-2019

IP Rating	NONE
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0642M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	22.09 IN
Power Factor	79
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1750 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

**Nameplate**

NP1401XPSLEV										
<b>NO.</b>		<b>CC</b>	010A							
<b>S/N</b>		<b>TEMP CODE</b>	T3C							
<b>SPEC.</b>	06-0000-0192		<b>INV.TYPE</b>	PWM						
<b>CAT.NO.</b>	JPDRX18544T-5		<b>C HP FR</b>	60	<b>C HP TO</b>	90				
<b>HP</b>	5		<b>CT HZ FROM</b>	6	<b>CT HZ TO</b>	60				
<b>VOLTS</b>	575		<b>VT HZ FROM</b>	6	<b>VT HZ TO</b>	60				
<b>AMPS</b>	5.3		<b>MAG CUR</b>	2.3						
<b>RPM</b>	1750		<b>MX RPM</b>	2700						
<b>HZ</b>	60	<b>PH</b>	3	<b>CL</b>	F	<b>NOM.EFF.</b>	89.5			
<b>SER.F.</b>	1.00	<b>DES</b>	B	<b>SL HZ</b>	1.7	<b>WK2</b>	0.39			
<b>FRAME</b>	184JP	<b>RATING</b>	40C AMB-CONT							
	55C AMB @ 1.0 SF									
	1.15 SF ON SINEWAVE		NEMA MG-1 PT 5,IP55							

**AC Induction Motor Performance Data**

Record # 77542

Typical performance - not guaranteed values

<b>Winding: 06WGX200-R053</b>		<b>Type: 0642M</b>		<b>Enclosure: XPFC</b>	
<b>Nameplate Data</b>			<b>575 V, 60 Hz: Single Voltage Motor</b>		
<b>Rated Output (HP)</b>	5	<b>Full Load Torque</b>	15.04 LB-FT		
<b>Volts</b>	575	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	5.3	<b>Breakdown Torque</b>	52.3 LB-FT		
<b>R.P.M.</b>	1750	<b>Pull-up Torque</b>	21.6 LB-FT		
<b>Hz</b>	60	<b>Locked-rotor Torque</b>	30.7 LB-FT		
<b>NEMA Design Code</b>	<b>Phase</b> 3	<b>Starting Current</b>	36.3 A		
<b>Service Factor (S.F.)</b>	<b>B KVA Code</b> J	<b>No-load Current</b>	2.34 A		
<b>NEMA Nom. Eff.</b>	89.5	<b>Line-line Res. @ 25°C</b>	4.27 Ω		
<b>Rating - Duty</b>	<b>Power Factor</b> 79	<b>Temp. Rise @ Rated Load</b>	54°C		
	40C AMB-CONT	<b>Locked-rotor Power Factor</b>	40.6		
		<b>Rotor inertia</b>	0.391 LB-FT <sup>2</sup>		

**Load Characteristics 575 V, 60 Hz, 5 HP**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>
<b>Power Factor</b>	42	64	76	81	84	85
<b>Efficiency</b>	85.2	89.8	90.1	89.7	88.2	86.4
<b>Speed</b>	1788	1777	1764	1751	1736	1719
<b>Line amperes</b>	2.61	3.26	4.13	5.14	6.31	7.59

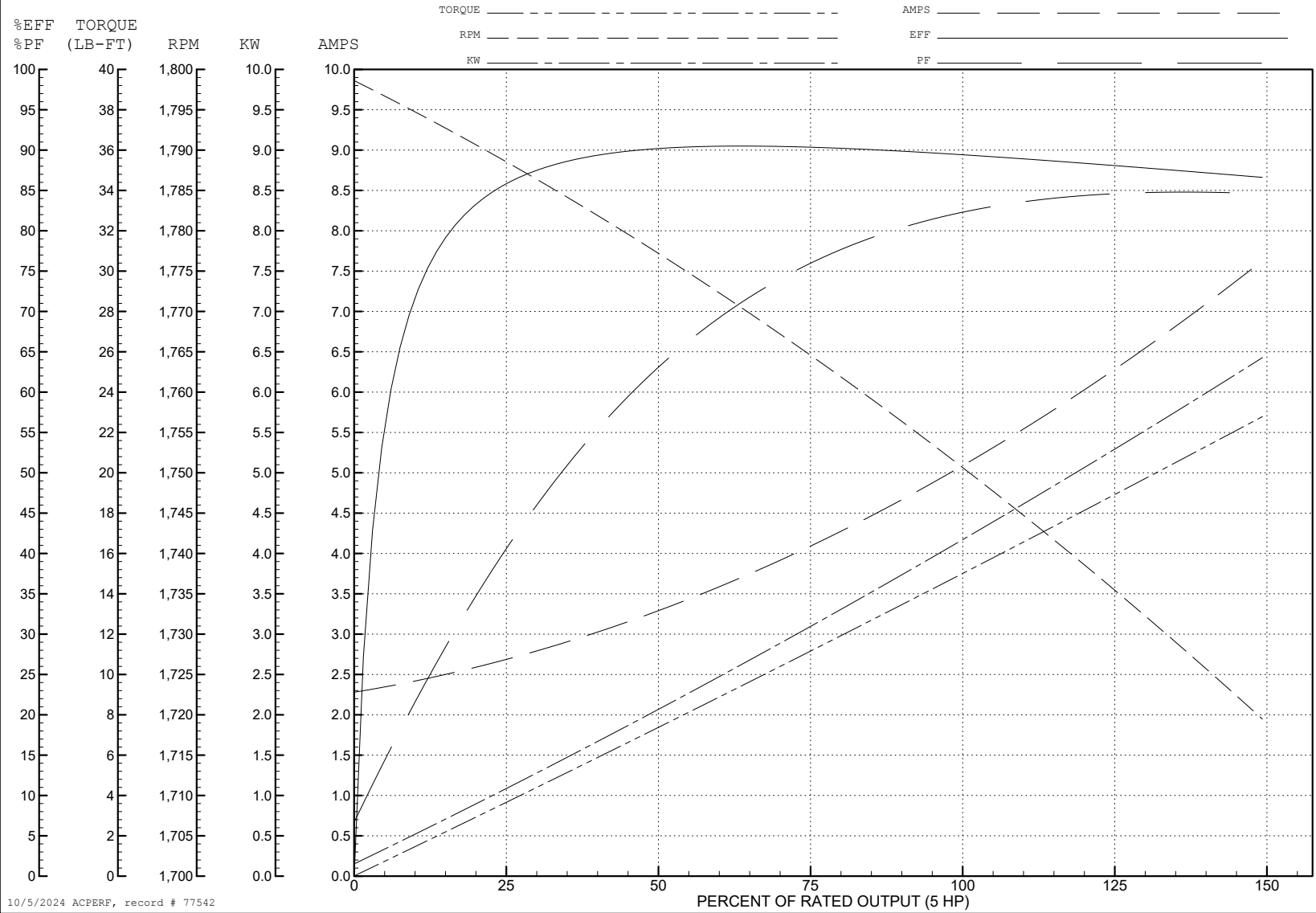
ABB Motors and Mechanical Inc.

WINDING # 06WGX200

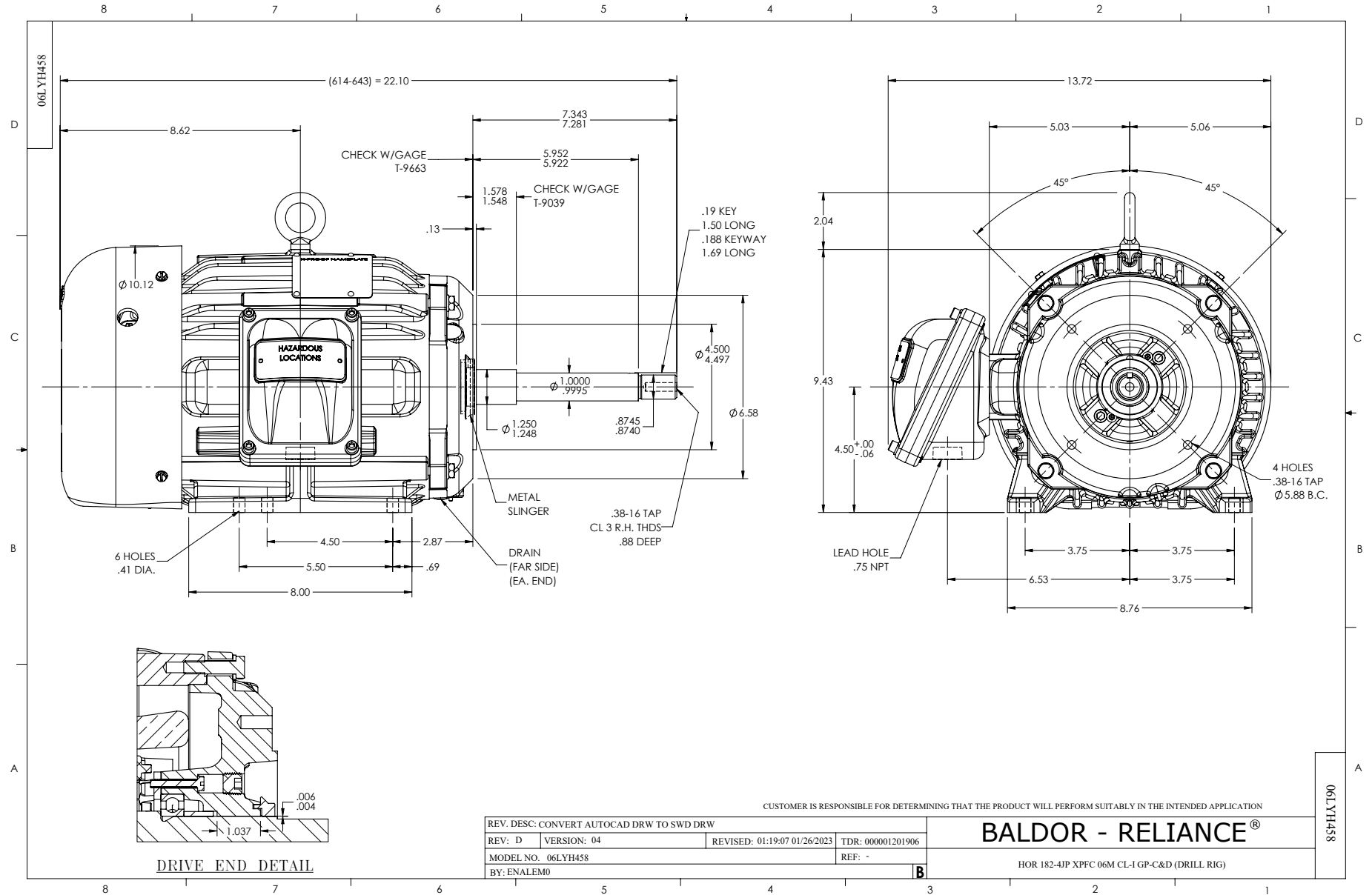
5 HP 3 PH 60 HZ 1750 RPM 575 V 0642M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=52.3 PU=21.6 LR=30.7 LRA=36.3



10/5/2024 ACPERF, record # 77542



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
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MTL: -	© □	

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

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