

DATE: 9/18/2020

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 4

D NO.: 50-00132245

JEFFERSON PARISH
PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR: 27118 BLANK BID COPY VENDOR

BUYER: DABRAHAM

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work to be done in workman-like manner, according to standard practices. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

DELIVERY: FOB JEFFERSON PARISH	
INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES	<u>10/11</u>
INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK	<u>N/A</u>
INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK	<u>N/A</u>

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____
 NUMBER: _____
 NUMBER: _____
 NUMBER: _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***	
FIRM NAME: <u>Sheppard Services, LLC.</u>	
SIGNATURE: (Must be signed here) <u>[Signature]</u>	TITLE: <u>President</u>
PRINT OR TYPE NAME: <u>Chris McNeil</u>	
ADDRESS: <u>3460 Hurricane Bay Drive</u>	
CITY, STATE: <u>Theodore, AL</u>	ZIP: <u>36582</u>
TELEPHONE: <u>251-443-0700</u>	FAX: <u>251-443-6204</u>
EMAIL ADDRESS: <u>cmcneile@sheppardsvs.com</u>	

INVITATION TO BID FROM JEFFERSON PARISH - continued

ID NO.: 50-00132245

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	<p>A one time purchase of 25HP and 75HP motors for the Department of Sewerage</p> <p>0010 - US MOTOR 25 HP AT 1800 RPM, 284T, 208-230/460V, 3PH, TEFC HOSTILE DUTY</p> <p>PREMIUM EFFICIENCY ITEM NO. HD25P2E</p> <p>NOTE: FOR LAKE TAHOE AND MANHATTAN</p>	<p>\$1,737.14</p> <p>TECO HB0254</p>	<p>\$3,474.28</p>
2	3.00	EA	<p>0020 - US MOTOR 75 HP @ 1800 RPM, 365 T, 208-230/460V, 3 PH, TEFC HOSTILE DUTY PREMIUM EFFICIENCY</p> <p>NOTE: FOR COLLEDGE AND BARATARIA</p> <p>DELIVER TO: WEST BANK SEWERAGE SHOP BLDG. 1450 RIVER PARK ROAD BRIDGE CITY, LA 70094 ATTN: SHANE DICKERSON</p>	<p>\$5,072.12</p> <p>TECO HB0754</p>	<p>\$15,216.36</p>

*Bids are for TECO Weatherhead motors

MAX-E2/841® FAMILY

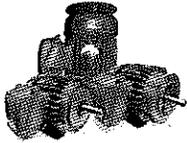


AEHH8B, NEMA PREMIUM [HB]

AEHH8BCF, NEMA PREMIUM, FOOTED C-FACE (1 HP - 100 HP) [HB_C]

AEUH8BDC, NEMA PREMIUM, ROUND BODY C-FACE (1 HP - 100 HP) [HBV_C]

Effective 07-08-18
Supercedes 03-24-17



APPLICATIONS:

- Fans & Blowers
- Pumps
- Crushers
- Compressors
- Mixers
- Conveyors
- Severe Duty/ Petro-Chem
- Pulp & Paper Application
- Marine Duty

FEATURES:

- Output Range: 1 - 500 HP
- Speed: 3600, 1800, 1200 & 900 RPM
- Enclosure: Totally Enclosed Fan Cooled (IP56)
- Voltage: 460V Only⁽¹⁾
- Meets GM 7E-TA Specifications
- Three Phase, 60 Hz, 1.15 Service Factor (Continuous); 50 Hz, 1.0 Service Factor (Continuous)
- CSA Certified for Class I, Div. 2, Groups B, C, D - Temp Code T3 Minimum^(6,7)
- CSA Certified for Class II, Div. 2, Groups F & G - Temp Code T3 Minimum (Frame 444T and Above)^(6,7)
- Meets or Exceeds IEEE 841 Standards
- Meets IEEE 45 Marine Duty and ABS Design Assessment up to 500 HP(2,4,6 pole only)⁽¹⁰⁾
- Extended Warranty - 60 Months from Date of Manufacture
- Class F Insulation
- Class B Temperature Rise
- NEMA Design B Torques as a Minimum; Various Ratings also Meet Design C
- Cast Iron Frame, End Brackets & Fan Cover and Main Conduit Box⁽⁸⁾
- Grounding Terminal Inside Main Conduit Box with additional Foot Grounding Provision
- Oversized Main Conduit Box Rotatable in 90 Degree Increments - F1 Mounted
- Designed for 50°C Ambient Temperature⁽²⁾
- Designed for 3300 ft. Elevation⁽³⁾
- Bi-Directional Rotation; Except 2 Pole "Hybrid" and F# 5000 and Larger Ratings are Counter-Clockwise facing the DE
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction for F# 140T - 449T
- Copper/Copper Alloy Rotor Construction for F# 5000 and Larger⁽⁹⁾
- Paint System: 2 Part Epoxy
- Paint Color: Blue - Munsell 5PB 3/8
- High Quality Ball (or Roller) Bearings Regreasable with Mobil Polyrex™ EM
- Automatic Grease Discharge Fittings for Horizontal or Vertical Mounting
- VBXX INPRO™ Seals are IP66 Rated and are Installed on Both Ends
- Stainless Steel Nameplate and Hardware
- Stainless Steel Automatic Breather Drain
- New Dual Column Design Nameplate as Standard (60/50 Hz)
- Suitable for Inverter Use per NEMA MG-1 Part 31.4.4.2^(4,5)
- Inverter Duty Speed Range: 20:1 Variable Torque, 10:1 Constant Torque (350 HP and Larger are 3:1 Constant Torque)^(4,5)
- Motors are U.L. Recognized, CSA Approved
- 3 Leads Only
- Dual Drilled Feet Available on Most Ratings - Longer Frames (i.e. 145T Drilled also for 143T)
- Vibration Not to Exceed 0.08 Inches Per Second
- Noise Level Not to Exceed 85 dB(A) at 1 Meter Unloaded

EXTRAS/ OPTIONS:

Please refer to pages 147 - 154 for common modifications that can be performed.

Notes:

- (1) TWMC carries minimal MAX-E2® 575V stock; please check availability to ensure required motors are available. Ratings may be available from our Canadian Warehouses at a higher price or from our factory with a longer lead time. Pricing and lead time may vary.
- (2) Consult a Stock Product Application Specialist for suitability in higher ambient environments.
- (3) Consult a Stock Product Application Specialist for suitability at higher elevations.
- (4) Motor service factor is 1.0 when operated on a VFD.
- (5) Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG-1, Part 31.
- (6) Catalog# HB3502 & HB3504 are "Hybrid" ratings; Not CSA Certified (Self-Certify Only) for hazardous locations, and not dual drilled.
- (7) Catalog# HB3006 also not CSA Certified for hazardous locations (Self-Certify Only).
- (8) F# 5000 and with Larger with Pressed Steel Plate Main Conduit Box.
- (9) F# 5007 - 5011 8 Pole Ratings are Aluminum Die Cast Squirrel Cage Rotor Construction.
- (10) Contact Application Engineering for ABS Motor Pricing
- (11) To convert to IP65 the M17 modification will be required. To convert to IP66 the M31 modification will be required.

TECO Westinghouse

ISSUED 8/28/2014	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8B		CATALOG# HB0254

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
25	18.7	4	284T	460	60	50°C	F	B	CONT.	1.15

VARIABLE FREQUENCY DRIVE SERVICE

VARIABLE TORQUE				OHMS/PHASE EQUIVALENT WYE CIRCUIT (AT RATED OPERATING TEMPERATURE 25°C)				
HZ	HP	RPM	TORQUE (lb-ft)	R1	R2	X1	X2	X _m
3~60	0.0032~25	90~1800	0.187~74.37	0.1408	0.271	0.8469	1.3283	43.804

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	2.5~25	180~1800	74.37	60~90	25	1800~2700	74.37~49.58

TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY				POWER FACTOR			SOUND PRESSURE LEVEL @ 3 FT Db(A)
	FULL LOAD		3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	
	MIN.%	NOM.%						
1765	92.4	93.6	93.6	93.6	86	83	77	68

CURRENTS						NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
NO LOAD		FULL LOAD		LOCKED ROTOR			COLD	HOT
AT 460 VOLT		AT 460 VOLT		AT 460 VOLT				
7.14		29.10		183		G	28	20

TORQUE				INERTIA			ACCEL TIME (DOL)		ALLOWABLE STARTS PER HOUR	
FULL LOAD (lb-ft)	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR ² (lb-ft ²)	NEMA LOAD WK ² (lb-ft ²)	MAX ALLOWABLE WK ² (lb-ft ²)	NEMA LOAD WK ² Sec	MAX ALLOWABLE WK ² Sec	COLD	HOT
74.37	205	165	240	4.586	122	255	4.76	9.76	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057HB0254	REVISION:	1
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TECO Westinghouse

ISSUED 8/28/2014	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8B		CATALOG# HB0754

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
75	56.0	4	365T	460	60	50°C	F	B	CONT.	1.15

VARIABLE FREQUENCY DRIVE SERVICE

VARIABLE TORQUE				OHMS/PHASE EQUIVALENT WYE CIRCUIT (AT RATED OPERATING TEMPERATURE 25°C)				
HZ	HP	RPM	TORQUE (lb-ft)	R1	R2	X1	X2	X _m
3-60	0.009-75	90-1800	0.525-221.8	0.0296	0.0666	0.2316	0.4277	10.003

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6-60	7.5-75	180-1800	221.8	60-90	75	1800-2700	221.8-147.9

TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY				POWER FACTOR			SOUND PRESSURE LEVEL @ 3 FT Db(A)
	FULL LOAD		3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	
	MIN.%	NOM.%	%	%	%	%	%	
1775	94.5	95.4	95.4	95	86.5	83.5	75.5	79

CURRENTS

NO LOAD		FULL LOAD		LOCKED ROTOR		NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
AT 460 VOLT		AT 460 VOLT		AT 460 VOLT			COLD	HOT
26		85.10		543			G	17

TORQUE				INERTIA			ACCEL TIME (DOL)		ALLOWABLE STARTS PER HOUR	
FULL LOAD (lb-ft)	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR ² (lb-ft ²)	NEMA LOAD WK ² (lb-ft ²)	MAX ALLOWABLE WK ² (lb-ft ²)	NEMA LOAD WK ² Sec	MAX ALLOWABLE WK ² Sec	COLD	HOT
221.90	200	165	250	14.674	338	618	4.40	7.89	2	1

APPROVED:	M PRATER	DRAWING NO.	310574R0754	REVISION:	1
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