

ELECTRIC MOTOR POLYPHASE INDUCTION

USE THIS FORM ONLY WHEN MOTOR IS FURNISHED
AS AN INTEGRAL PART OF A COMPLETE UNIT

▲ **VENDOR TO COMPLETE DATA**

SPEC

NO.

30, 5138/5139/5140

SPEC FOR: INQUIRY, SH 3 OF 5, NO. 6014-02D1-V22-01
 QUOTATION, SH 1 OF 1, NO. _____
 PURCHASE, SH 1 OF 1, NO. _____
 PROCESS, SH 1 OF 1

A (AFE) (INV. UNIT) (CLASS) (ITEM NO. OR NO'S)
 E _____
 I _____
 M _____
 FM _____

▲ USED WITH 34-5034/5035/5036 QUANTITY 3 UNIT(S)

SERVICE DRIVE MOTOR FOR ROTARY VALVE

PLANT

AND UNIT PHILLIPS-SUMIKA POLYPROPYLENE PLANT, PASADENA, TX

DWG

NO.

INSTRUCTIONS TO BIDDER

1. COMPLETE ITEMS 48 THRU 75 ON THIS INQUIRY. RETURN THIS INQUIRY PLUS 3 COPIES.

INCLUDE 3 SETS OF INFORMATION AND CATALOG DRAWINGS THAT ADEQUATELY DESCRIBE THE
 BID ITEMS, AND SPECIFICALLY INCLUDE A BEARING LIST WITH SUPPLY LOCATIONS AND

DELIVERY TIME.

▲ MOTOR DATA:
 2. RATED: 3 HP, 400 VOLTS, 3 PHASE, 60 HERTZ
 3. FRAME NO. * _____ 4. SYN SPEED _____ RPM
 5. (HORIZONTAL) (VERTICAL) 6. TYPE ENCLOSURE TEFC
 7. TYPE BEARINGS ANTI-FRICTION 8. TYPE LUB GREASE
 9. MAX VIBRATION _____
 10. STARTING VOLTAGE: FULL REDUCED _____
 11. NEMA DESIGN: (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) OTHER _____
 12. STARTING TORQUE: NORMAL HIGH _____
 13. SLIP: 0-5% _____, 5-8% _____, 8-13% _____
 14. DUTY: CONTINUOUS INTERMITTENT _____
 15. TEMP FULL LOAD RISE 60 C BY RESISTANCE, AMBIENT 40 C MAX
 16. INSULATION CLASS F 17. SERVICE FACTOR _____
 18. ALTITUDE ABOVE SEA LEVEL 34
 19. ROTATION VIEWED FROM END OPPOSITE COUPLING (CLOCKWISE) (COUNTER-CLOCKWISE).
 20. TYPE ASSEMBLY (NEMA F-1, W-1, ETC) F-1
 21. TYPE DRIVE (DIRECT, V-BELT, ETC) CHAIN DRIVE

48. VENDOR BUSS AMERICA
 49. MFR SEW
 50. FRAME NO. _____ TYPE _____ R2
 51. FULL LOAD SPEED 1700 52. MODEL NUMBER _____ R2
 53. EFFICIENCY (TYPICAL) % AT 1/2 LOAD, _____ % AT 3/4 LOAD, 77 % AT FULL LOAD, R2
 GUARANTEED EFFICIENCY PER IEEE NO. 112, METHOD B.
 54. POWER FACTOR % AT 1/2 LOAD, _____ % AT 3/4 LOAD, 0.83 % AT FULL LOAD R2
 55. CURRENT (MAX) FULL LOAD 4.3 AMPS. LOCKED ROTOR 530 AMPS R2
 56. NEMA DESIGN LETTER B 57. LOCKED ROTOR KVA CODE LETTER _____ R2
 TORQUE
 58. FULL LOAD AT FULL LOAD SPEED 110 FOOT LBS R2
 59. STARTING AT FULL VOLTAGE _____ % FULL LOAD 60. BREAKDOWN _____ % FULL LOAD
 61. SPEED-TORQUE CURVE ATTACHED (YES) (NO).
 ENCLOSURE _____ 63. JUNCTION BOX MATL _____
 62. U-L APPROVED (YES) (NO) _____
 64. SHAFT DIA. _____ MATL _____
 65. BEARING TYPE: COUPLING END _____
 OPPOSITE END _____
 VERTICAL MOTORS IN _____ IN _____
 66. THRUST BEARING: TOP _____, BOTTOM _____
 67. ALLOWABLE EXTERNAL THRUST: LBS DOWN _____, LBS UP _____
 68. THRUST BEARING MAKE _____ NUMBER _____
 69. THRUST BEARING AVERAGE LIFE _____
 70. TYPE SHAFT _____
 DELIVERY (AFTER COMMITMENT)
 71. EQUIPMENT WILL BE ON JOB SITE _____ WEEKS.
 72. POINT OF ORIGIN _____
 73. NET WEIGHT OF MOTOR _____
 74. VENDOR'S DOCUMENTS:
 A. VENDOR SHALL MARK APPLICABLE PURCHASE ORDER NUMBER, EQUIPMENT SPECIFICATION NUMBER, AND DOCUMENT CODE ON DOCUMENTS.
 B. MAIL DOCUMENTS TO:
 PHILLIPS-PETROLEUM COMPANY
 CORPORATE ENGINEERING
 DOCUMENT EXPEDITION DEPT
 BARTLESVILLE, OKLAHOMA 74004
SEE VDR

DESIGNATE THE FOLLOWING ITEMS (IF REQUIRED):

22. _____ SPACE HEATERS _____ VOLTS _____ C MAX SURFACE TEMPERATURE
 23. STAINLESS STEEL BREATHER & DRAIN 24. _____ PROVISION FOR AIR FILTERS
 25. _____ SPEED TORQUE CURVE W/ QUOTATION 26. THREADED DRAIN OPENING
 27. _____ BEARING TEMPERATURE ELEMENT 28. _____ OIL GAGE
 29. _____ WINDING TEMPERATURE ELEMENT 30. SPECIAL JUNCTION BOX
 31. _____ STANDARD SLIDING BASE 32. NON-SPARKING FAN
 33. _____ MAGNETIC CENTER MARK ON SHAFT 34. LIFTING EYES
 35. _____ SPECIAL ENCLOSURE 36. _____ FORCED LUB EQUIPMENT
 37. _____ SPECIAL LEADS OR CONNECTORS 38. _____ SPECIAL SHAFT FEATURES
 39. _____ SOLE PLATES 40. _____ TROPICAL TREATMENT
 41. _____ RODENT SCREENS
 42. DIE STAMPED STAINLESS STEEL NAMEPLATE WITH BEARING MANUFACTURER'S NUMBERS STAMPED ON IT. (MOUNT WITH STAINLESS STEEL SCREWS).
 43. CHEMICAL TYPE MOTOR WITH CAST IRON YOKE, END BELLS, FAN HOUSING AND JUNCTION BOX.
 44. LEADS FROM MOTOR TO JUNCTION BOX TO BE SEALED AGAINST INTRUSION OF FOREIGN PARTICLES.
 45. GREASE FILL AND DRAIN PIPES (STAINLESS STEEL) (GALVANIZED).
 46. FOR ENGINEERING DETAILS CONTACT: _____

VENDOR TO COMPLETE AS PART OF BID: SHOW NUMBER OF CALENDAR DAYS* VENDOR REQUIRES FOR DELIVERY OF DOCUMENTS AFTER COMMITMENT.

DOC CODE	CR	DOCUMENT DESCRIPTION	APPROVAL		CERTIFIED	
			QTY	DAYS	QTY	DAYS
01		DIMENSIONAL DRAWINGS, GENERAL ARRANGEMENT DRAWINGS THAT INCLUDE A COMPLETE SET OF DETAILS WITH WEIGHT.				
02		INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS				
06		RECOMMENDED SPARE PARTS: INCLUDE PRICES, POINTS OF SUPPLY AND DELIVERY. STATE BEARING MANUFACTURER'S BEARING NUMBER.				
07		PERFORMANCE DATA: FULL LOAD CURRENTS, LOCKED ROTOR CURRENT, AND FULL LOAD SPEED, EFFICIENCY, POWER FACTOR AND CURRENT VERSUS LOAD CURVES, TORQUE AND CURRENT VERSUS SPEED CURVE, MOTOR OPEN CIRCUIT TIME CONSTANT, SPACE HEATER WATTAGE.				

47. OTHER INFORMATION: APPLICABLE SPECIFICATIONS:
IV.F 150HP MOTORS & BELOW
AREA CLASSIFICATION: UNCLASSIFIED
 * BY VENDOR

75. EXCEPTIONS TO BE NOTED BELOW OR ATTACHED:

PREPARED GG DATE 25 MAY 93 PROCESS APPD A.P. DATE _____ INQUIRY APPD TDH DATE _____ PURCH APPD _____ DATE _____
 DESIGN APPD GG DATE 25 JUL 94 REV A APPD A.P. DATE 25 JUL 94 REV A APPD MEJ/GB DATE 15 DEC 95 REV A APPD _____ DATE _____