| Rotary Compressor: Variable Frequency Drive MODEL DATA - FOR COMPRESSED AIR 1 Manufacture: ELGi | | | | | Lubricated Air Compresso | |
|---|---|--|--|--|--|-------------|
| 1 Manufacturer: ELGi 2 Model Number: EG 75-100V Date 12/28/2022 3* Full Load Operating Pressure ^b 100 psig ^b 4 Drive Motor Nominal Rating 100 hp 5 Drive Motor Nominal Efficiency 95.4 percent 6 Fan Motor Nominal Efficiency NA percent 7 Fan Motor Nominal Efficiency NA percent 8* 67.7 387.0 17.16 78* 67.7 387.0 17.16 8* 67.7 387.0 17.25 9* Total Package Input Power at Zero Flow ^{C, d} 0.00 kW 10 Isentropic Efficiency 75.22 % 11 0 0 0 kW 10 Isentropic Efficiency 75.22 % 11 0 0 2.73 500 12 0 0 2.73 500 10 Isentropic Efficiency 75.22 % % 11 0 0 0 0.2 | | | | | | |
| Model Number: EG 75-100V Date: 12/28/2022 X Air-cooled Type: SCREW 3* Full Load Operating Pressure* 100 psig.* 4 Drive Motor Nominal Rating 100 hp 5 Drive Motor Nominal Rating (if applicable) 207 (1.55) - (460V) X 1 Fans hp 6 Fan Motor Nominal Efficiency NA percent 7 Fan Motor Nominal Efficiency NA percent 90.1 525.0 17.16 79.9 463.0 17.25 8* 67.7 387.0 17.48 40.2 221.0 18.20 34.3 180.0 19.06 19.8 87.0 22.73 9* Total Package Input Power at Zero Flow ^C ; d 0.00 kW 10 Isentropic Efficiency 75.22 % Net: "Graph and provement at the condition of the data is section 8 State for a ist of participants in the third party vertification program, these items are verified by the third party administrator State for a ist of participants in the third party verind indication program. <t< th=""><th>. 1</th><th></th><th>JDEL DATA - FO</th><th>K COMIT KESSED</th><th>AIN</th></t<> | . 1 | | JDEL DATA - FO | K COMIT KESSED | AIN | |
| 2 X Air-cooled Water-cooled Type: SCREW 3* Full Load Operating Pressure ^b 100 psig ^b 4 Drive Motor Nominal Rating 100 hp 5 Drive Motor Nominal Rating (if applicable) 2.07 (1.55) - (460 V) X1 Fans hp 6 Fan Motor Nominal Efficiency NA percent 7 Fan Motor Nominal Efficiency NA percent 90.1 525.0 17.16 Specific Power 1put Power (kW) Capacity (acfm) ^{a,d} (kW/100 acfm) ^d 8* 67.7 387.0 17.48 40.2 221.0 18.3.0 34.3 34.3 180.0 19.06 9* Total Package Input Power at Zero Flow ^{C,d} 0.00 kW 10 Isentropic Efficiency 75.22 % 11 1 1 State Sate Oild Store maximum approximates the Sate Oild Sate Oild Sate Oild Sate Oild Sate Oild Sate Sate Oild Sate Oild Sate Oi | 1 | | | | | |
| # of Stages: 1 3* Full Load Operating Pressure 100 psig ^b 4 Drive Motor Nominal Rating 100 hp 5 Drive Motor Nominal Efficiency 95.4 percent 6 Fan Motor Nominal Efficiency 95.4 percent 7 Fan Motor Nominal Efficiency NA percent 8* 100.0 17.16 Specific Power 11 525.0 17.16 Specific Power 10 1525.0 17.16 Specific Power 11 525.0 17.16 Specific Power 12 67.7 387.0 17.25 8* 67.7 387.0 17.48 40.2 221.0 18.20 34.3 180.0 19.06 10 Isentropic Efficiency 75.22 % 10 Isentropic Efficiency 75.22 % 11 9 10 Isentropic Efficiency 75.22 10 Isentropic Efficiency 75.22 % 11 9 10 Isentropic Efficiency | | | 100V | | | |
| 3* Full Load Operating Pressure ^b 100 psig ^b 4 Drive Motor Nominal Rating 100 hp 5 Drive Motor Nominal Rating (if applicable) 2.07 (1.55) - (460V) X 1 Fans hp 6 Fan Motor Nominal Efficiency 95.4 percent 7 Fan Motor Nominal Efficiency NA percent 7 Fan Motor Nominal Efficiency NA percent 8* 0.1 525.0 17.16 79.9 463.0 17.25 8* 67.7 387.0 17.48 40.2 221.0 18.20 34.3 180.0 19.06 19.8 87.0 22.73 9* Total Package Input Power at Zero Flow ^{c, d} 0.00 kW 10 Isentropic Efficiency 75.22 % Input Power at Zero Flow ^{c, d} 11 1 10 Sector How as a sing efficiency maximum capacity Net: Crypt is adv sing efficiency A total Package Input Power at Zero Flow ^{c, d} Net: Crypt is adv sing efficiency Net: Crypt is adv sing efficiency Net: Crypt is adv sing efficiency Net: Crypt is adv sing efficiency <td cols<="" td=""><td>2</td><td>X Air-cooled</td><td>Water-cooled</td><td></td><td>Type: SCREW</td></td> | <td>2</td> <td>X Air-cooled</td> <td>Water-cooled</td> <td></td> <td>Type: SCREW</td> | 2 | X Air-cooled | Water-cooled | | Type: SCREW |
| 4 Drive Motor Nominal Rating 100 hp 5 Drive Motor Nominal Efficiency 95.4 percent 6 Fan Motor Nominal Efficiency 95.4 percent 7 Fan Motor Nominal Efficiency NA percent 7 Fan Motor Nominal Efficiency NA percent 8* Input Power (kW) Capacity (acfm) ^{a,d} Specific Power 8* 67.7 387.0 17.48 40.2 221.0 18.20 34.3 180.0 19.06 19.8 87.0 22.73 9* Total Package Input Power at Zero Flow ^{c, d} 0.00 kW 10 Isentropic Efficiency 75.22 % 11 Image: State 10 for the | | | b | | # of Stages: 1 | |
| 5 Drive Motor Nominal Efficiency 95.4 percent 6 Fan Motor Nominal Rating (if applicable) 2.07 (1.55) - (460V) X 1 Fans hp 7 Fan Motor Nominal Efficiency NA percent 8 Input Power (kW) Capacity (acfm) ^{n,d,d} Specific Power 90.1 525.0 17.16 9.0.1 525.0 17.16 9.0.1 525.0 17.16 9.0.1 525.0 17.16 10 34.3 180.0 19.06 11 19.8 87.0 22.73 9* Total Package Input Power at Zero Flow ^{C, d} 0.00 kW 10 Isentropic Efficiency 75.22 % 11 1 1 State 3.0 37.5 5.00 11 1 1 1 1 1 1 10 Isentropic Efficiency 75.22 % 11 1 1 1 1 1 11 1 1 1 1 1 11 1 1 1 1 1 12 2.0 37.5 5.00 13 18.0 10 1 14.3 10 <td< td=""><td>-</td><td></td><td></td><td></td><td></td></td<> | - | | | | | |
| 6 Fan Motor Nominal Rating (if applicable) 2.07 (1.55) - (460 V) X 1 Fans hp 7 Fan Motor Nominal Efficiency NA percent 8* Input Power (kW) Capacity (acfm) ^{a.d} Specific Power (kW/100 acfm) ^d 8* 60.1 525.0 17.16 8* 67.7 387.0 17.25 40.2 221.0 18.20 34.3 180.0 19.06 9* Total Package Input Power at Zero Flow ^{c, d} 0.00 kW 10 Isentropic Efficiency 75.22 % 11 9* Total Package Input Power at Zero Flow ^{c, d} 0.00 kW 10 Isentropic Efficiency 75.22 % % 11 10 Sector S | | | 0 | | 1 | |
| 7 Fan Motor Nominal Efficiency NA percent Input Power (kW) Capacity (acfm) ^{a,d} Specific Power (kW/100 acfm) ^d 9 10.1 525.0 17.16 8* 67.7 387.0 17.48 40.2 221.0 18.20 34.3 180.0 19.06 9* Total Package Input Power at Zero Flow ^{c,d} 0.00 kW 10 Isentropic Efficiency 75.22 % 11 9 50.0 17.48 10.00 11 10 Isentropic Efficiency 75.22 % 12 9 Total Package Input Power at Zero Flow ^{c,d} 0.00 kW 10 Isentropic Efficiency 75.22 % % 11 10 Set: Graph is outy a tical representation of the data is Setion 8 % 12 9 Net: Graph is outy a tical representation of the data is Setion 8 % 13 10 50 50 50 14 9 10 50 50 15 10 50 50 50 | | | 5 | | 1 | |
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| 34.3 180.0 19.06 19.8 87.0 22.73 9* Total Package Input Power at Zero Flow ^{C, d} 0.00 kW 10 Isentropic Efficiency 75.22 % 11 9* Total Package Input Power at Zero Flow ^{C, d} 0.00 kW 11 9* Total Package Input Power at Zero Flow ^{C, d} 0.00 kW 11 9* Total Package Input Power at Zero Flow ^{C, d} 0.00 kW 11 9* Total Package Input Power at Zero Flow ^{C, d} 0.00 kW 11 9* 10 Isentropic Efficiency 75.22 % 11 9* 10 Isentropic Efficiency 75.25 500 10 125 250 375 500 500 10 125 250 375 500 500 10* Note: Graph is only a stual cryscenation of the data in Section 8 Note: Y-Aus Sclet, 10 & 35, *50 were maximum capacity Stote for a list of participants in the third party verification program: xww.cagti org Stote for a list of participants in the dird party verification program: xww.cagti org | - | | | | | |
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| 9* Total Package Input Power at Zero Flow ^{c, d} 0.00 kW 10 Isentropic Efficiency 75.22 % 11 Isentropic Efficiency 75.22 % | - | | | | | |
| 10 Isentropic Efficiency 75.22 % 11 | 9* | | at Zero Flow ^{c, d} | | kW | |
| 11 Image: the transmission of the data in Section 8 or the data in Section 9 or the data in Section | 10 | | | | % | |
| 0 125 250 375 500 Capacity(CFM) Note: Graph is only a visual representation of the data in Section 8 Note:: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35 X-Axis Scale, 0 to 25% over maximum capacity | 11 | 25 Nev (KM) 20 0 111 | | | | |
| Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 0 to 25% over maximum capacity Tormodels that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator better for a list of participants in the third party verification program: www.cagi.org a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; ACFM is actual cubic feet per minute at inlet conditions. b. The operating pressure at which the Capacity (Item 8) and Electrical Consumption (Item 8) were measured for this data si c. No Load Power. In accordance with ISO 1217, Annex E, as shown in table below: MOTE: The terms "power" and "energy" are synonymous for purposes of this document. Volume Flow Rate Specific Energy No Load / Zero Flow | | | | | 500 | |
| bisite for a list of participants in the third party verification program: www.cagi.org a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; ACFM is actual cubic feet per minute at inlet conditions. b. The operating pressure at which the Capacity (Item 8) and Electrical Consumption (Item 8) were measured for this data sl c. No Load Power. In accordance with ISO 1217, Annex E, if measurement of no load power equals less than 1%, manufacturer may state "not significant" or "0" on the test report. d. Tolerance is specified in ISO 1217, Annex E, as shown in table below: NOTE: The terms "power" and "energy" are synonymous for purposes of this document. Volume Flow Rate Specific Energy No Load / Zero Flow | | Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35 | | | | |
| Volume Flow Rate Zero Flow | | Is that are tested in the CAGI Perf | | ication program: | www.cagi.org | |
| Zero Flow | AG | a. Measured at the disch ACFM is actual cubic b. The operating pressur c. No Load Power. In a manufacturer may stat d. Tolerance is specified | feet per minute at inlet come e at which the Capacity (Iter cordance with ISO 1217, A e "not significant" or "0" on in ISO 1217, Annex E, as s | n 8) and Electrical Consumpt nnex E, if measurement of no 1 the test report. hown in table below: | b load power equals less than 1%, | |
| r | AG | a. Measured at the disch ACFM is actual cubic b. The operating pressur c. No Load Power. In ac manufacturer may stat d. Tolerance is specified NOTE: The terms "po | feet per minute at inlet come e at which the Capacity (Iter cordance with ISO 1217, A e "not significant" or "0" on in ISO 1217, Annex E, as s | n 8) and Electrical Consumpt nnex E, if measurement of no n the test report. hown in table below: nyrmous for purposes of this o | load power equals less than 1%, | |
| | AG | a. Measured at the disch ACFM is actual cubic b. The operating pressur c. No Load Power. In a manufacturer may stal d. Tolerance is specified NOTE: The terms "po | feet per minute at inlet come e at which the Capacity (Iter scordance with ISO 1217, A e "not significant" or "0" on in ISO 1217, Annex E, as s ower" and "energy" are sync | n 8) and Electrical Consumpt nnex E, if measurement of no 1 the test report. hown in table below: onymous for purposes of this of Specific Energy | o load power equals less than 1%, document. No Load / Zero Flow | |

12/19 Rev 3 This form was developed by the Compressed Air and Gas Institute for the use of its members participating in the PVP. CAGI has not independently verified the reported data.

+/- 6

+/- 5

+/- 5

+/- 4

1.5 to 15

Above 15

ROT 031.1

53 to 529.7

Above 529.7

+/- 10%