

# SALES & ENGINEERING DATA

AWX83L100-F80CCFX

## MAGNETIC DRIVE CENTRIFUGAL PUMP

RELEASED: 3-31-00  
REVISED:  
S-1178

### DIMENSIONAL DATA

#### MODEL AWX83L100-F80CCFX

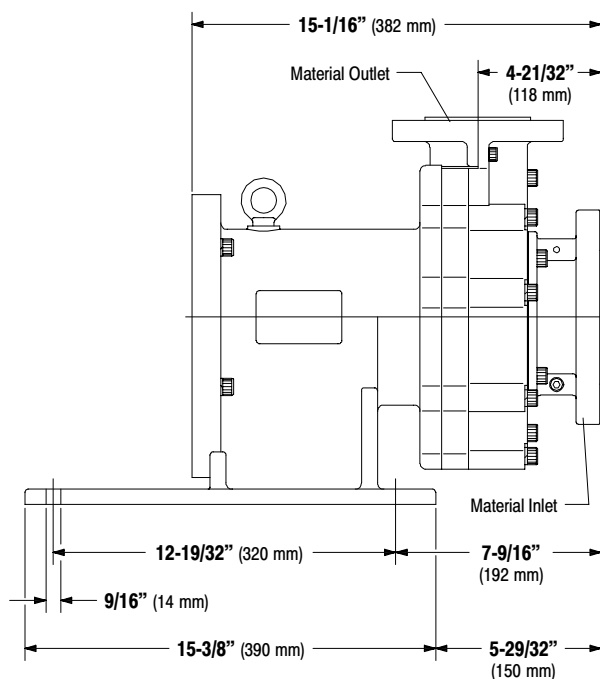
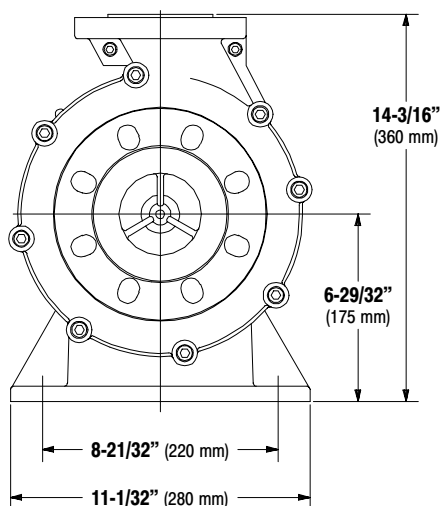


FIGURE 1

NOTE: Dimensions are shown in inches and (mm), supplied for reference only and are typically rounded up to the nearest 1/32 inch.

### SPECIFICATIONS

|                                  |                                  |
|----------------------------------|----------------------------------|
| Model Series                     | AWX83L100-F80CCFX                |
| Pump Type                        | Magnetic drive, centrifugal pump |
| Power Supply                     | 10 h.p.                          |
| Rated Speed <sup>①</sup>         |                                  |
| AW583L100-F80CCF2                | .. 2860 r.p.m.                   |
| AW683L100-F80CCF1                | .. 3440 r.p.m.                   |
| Material Inlet (A.N.S.I. / DIN)  | 3" (80 mm) flange                |
| Material Outlet (A.N.S.I. / DIN) | 2" (50 mm) flange                |
| Motor Mounting Flange            |                                  |
| AW583L100-F80CCF2                | .. IEC                           |
| AW683L100-F80CCF1                | .. NEMA "C"                      |
| Repair Kit                       |                                  |
| AW583L100-F80CCF2                | .. AWK583L100-F80CC              |
| AW683L100-F80CCF1                | .. AWK683L100-F80CC              |
| Weight                           | 152.1 lbs (69 kgs)               |

### MATERIALS OF CONSTRUCTION

|                  |                                          |
|------------------|------------------------------------------|
| Front Casing     | E.T.F.E. (carbon filled) lined Cast Iron |
| Rear Casing      | E.T.F.E. (carbon filled) lined Cast Iron |
| Impeller         | E.T.F.E. (carbon filled)                 |
| Spindle          | Ceramic                                  |
| Bearing          | High Density Carbon                      |
| Front Thrust Pad | Ceramic                                  |
| "O" Ring         | Viton                                    |
| Rear Thrust Pad  | Ceramic                                  |
| Magnetic Capsule | E.T.F.E. (carbon filled)                 |

### PERFORMANCE

|                                   |                             |
|-----------------------------------|-----------------------------|
| Total Head                        |                             |
| AW583L100-F80CCF2                 | .. 106.6 feet (32.5 meters) |
| AW683L100-F80CCF1                 | .. 106.3 feet (32.4 meters) |
| Maximum Flow                      | 343.5 g.p.m. (1300 l.p.m.)  |
| Maximum Liquid Temperature Limits | 32 - 194° F (0 - 90° C)     |
| Noise Level                       | 94 db(A) <sup>②</sup>       |

① Speed data shown at 120 V / 60 Hz or 220 V / 50 Hz.

② Microphone located 3.3' (1 m) from the pump.



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