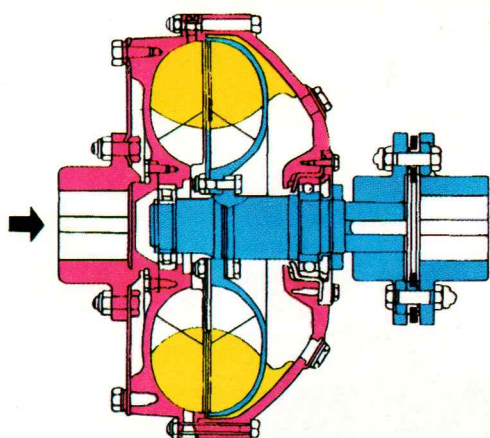


**PREMIUM**

## CONSTANT FILLING FLUID COUPLINGS

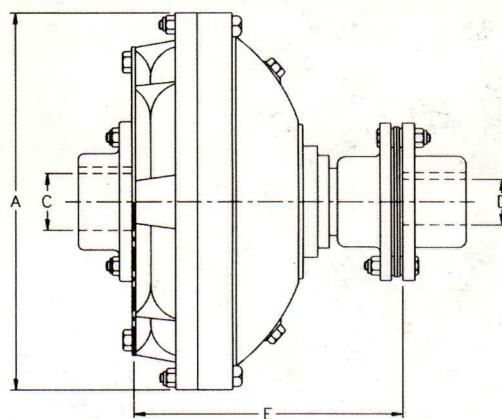
TYPE FCU Size 8 to 41

### SELECTION DATA

#### TYPE FCU SELECTION TABLE

| Size  | Max. operating kW rating at various motor speeds. |        |         |        |
|-------|---------------------------------------------------|--------|---------|--------|
|       | 580                                               | 720    | 960     | 1450   |
| 8     | -                                                 | 0.29   | 0.69    | 2.36   |
| 9.25  | 0.31                                              | 0.60   | 1.42    | 4.88   |
| 10.5  | 0.59                                              | 1.13   | 2.68    | 9.21   |
| 11.5  | 0.96                                              | 1.83   | 4.35    | 14.01  |
| 12.75 | 1.64                                              | 3.13   | 7.53    | 26.10  |
| 14.5  | 3.0                                               | 5.67   | 13.42   | 46.20  |
| 16.25 | 5.44                                              | 10.44  | 24.76   | 75.00  |
| 17.75 | 8.13                                              | 15.51  | 37.29   | 120.00 |
| 20    | 15.73                                             | 30.13  | 75.00   | 151.00 |
| 23    | 30.00                                             | 56.70  | 130.00  | 275.00 |
| 26    | 58.20                                             | 112.00 | 210.00  | 455.00 |
| 29    | 101.00                                            | 187.00 | 340.00  | 615.00 |
| 32    | 155.00                                            | 271.00 | 420.00  | 837.00 |
| 36    | 273.00                                            | 345.00 | 725.00  | -      |
| 41    | 410.00                                            | 634.00 | 1000.00 | -      |

The above chart may be used for selecting a type FCU fluid coupling. It shows maximum operating power ratings for approved application with direct on started squirrel cage motors, and will allow 200% full load torque for starting. Selections may be different from those shown, for drives having frequent cyclic duty, very high inertia starting, or diesel engine drives, such cases should be referred to Premium Energy Transmissions Ltd. office or representative who will prepare specific proposals. These ratings are also generally suitable for drives employing slip-ring motors, for drives using DC motors consult Premium Energy Transmission Ltd. Allow for 3% to 5% slip in fluid coupling - low to high loadings.



### TECHNICAL DATA

| Size  | Dimension in mm |     |     |     | Filled Weight (Kgs) | GD2-PRI (Kg m2) | Oil Qty Ltr. |
|-------|-----------------|-----|-----|-----|---------------------|-----------------|--------------|
|       | A               | C   | D   | E   |                     |                 |              |
| 8     | 237             | 42  | 35  | 165 | 13.2                | 0.246           | 1.7          |
| 9.25  | 268             | 48  | 48  | 194 | 17.7                | 0.332           | 2.6          |
| 10.5  | 308             | 48  | 48  | 210 | 22.2                | 0.54            | 3.7          |
| 11.5  | 333             | 60  | 55  | 232 | 35                  | 0.75            | 4.6          |
| 12.75 | 368             | 60  | 55  | 262 | 41                  | 1.38            | 6.8          |
| 14.5  | 419             | 80  | 70  | 287 | 57.6                | 2.53            | 10.2         |
| 16.25 | 454             | 80  | 70  | 335 | 74                  | 4.2             | 13.6         |
| 17.75 | 502             | 85  | 76  | 354 | 106                 | 6.4             | 17           |
| 20    | 578             | 85  | 76  | 390 | 142                 | 11.5            | 26           |
| 23    | 660             | 110 | 100 | 457 | 207                 | 23              | 40           |
| 26    | 749             | 110 | 100 | 492 | 272                 | 38              | 57           |
| 29    | 838             | 130 | 115 | 552 | 358                 | 65              | 78           |
| 32    | 914             | 130 | 115 | 587 | 520                 | 95              | 106          |
| 36    | 1032            | 150 | 150 | 626 | 678                 | 182             | 136          |
| 41    | 1162            | 150 | 150 | 660 | 948                 | 316             | 205          |

## Premium Transmission Limited

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