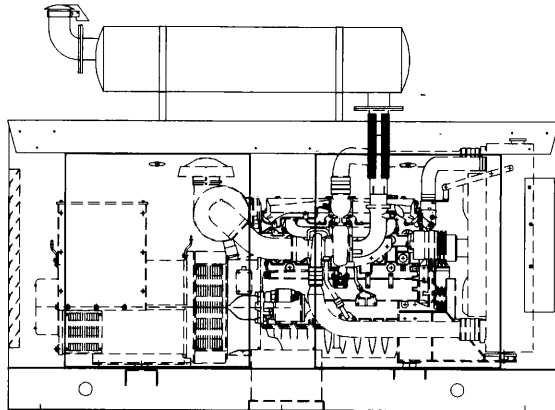


# TAYLOR<sup>®</sup>

## POWER SYSTEMS

**Model: DS140**

**Ratings Range:**



DRAWING DEPICTS UNIT WITH OPTIONAL EQUIPMENT

### Features

- **Single source responsibility for the generator set and accessories.**
- **Prototype and production tested to insure one step load acceptance per NFPA 110.**
- **Two year limited warranty on generator sets and accessories.**
- **Unit conforms to CSA, NEMA, EGSA, ANSI and other standards.**
- **Microprocessor based control system providing digital metering and monitoring.**
- **Heavy duty 4 cycle industrial engine for reliability and fuel efficiency.**
- **Brushless rotating field generator with class H insulation.**
- **Heavy duty steel base with integral vibration isolators.**
- **Electronic Isochronous Governor**

|                 |            | <b>50Hz</b>       | <b>60Hz</b>          |
|-----------------|------------|-------------------|----------------------|
| <b>Standby:</b> | <b>kw</b>  | <b>104 - 112</b>  | <b>112 - 140</b>     |
|                 | <b>kva</b> | <b>130 - 140</b>  | <b>140 - 175</b>     |
| <b>Prime:</b>   | <b>kw</b>  | <b>94.4 - 100</b> | <b>102 - 126</b>     |
|                 | <b>kva</b> | <b>118 - 125</b>  | <b>127.5 - 157.5</b> |

| Generator         | Voltage | PH | Hz    | 125°C Rise  |        | 105°C Rise |        |
|-------------------|---------|----|-------|-------------|--------|------------|--------|
|                   |         |    |       | Standby     | Rating | Prime      | Rating |
|                   |         |    |       | kW/kVA      | Amps   | kW/kVA     | Amps   |
| <b>UCI274E311</b> | 277/480 | 3  | 60    | 140/175     | 210.5  | 126/157.5  | 189.4  |
|                   | 139/240 | 3  | 60    | 140/175     | 421    | 126/157.5  | 378.9  |
|                   | 254/440 | 3  | 60    | 134/167.5   | 219.8  | 115/143.75 | 188.6  |
|                   | 127/220 | 3  | 60    | 134/167.5   | 439.6  | 115/143.75 | 377.3  |
|                   | 240/416 | 3  | 60    | 128/160     | 222.1  | 112/140    | 194.3  |
|                   | 120/208 | 3  | 60    | 128/160     | 444    | 112/140    | 388.6  |
|                   | 120/240 | 3  | 60    | 128/160     | 384.9  | 112/140    | 336.8  |
|                   | 219/380 | 3  | 60    | 112/140     | 212.7  | 102/127.5  | 193.7  |
|                   | 120/240 | 1  | 60    | 96/96       | 400    | 84/84      | 350    |
|                   | 254/440 | 3  | 50    | 104/130     | 170.6  | 94.4/118   | 154.8  |
|                   | 127/220 | 3  | 50    | 104/130     | 341.2  | 94.4/118   | 309.7  |
|                   | 120/208 | 3  | 50    | 112/140     | 388.6  | 100/125    | 347    |
|                   | 240/415 | 3  | 50    | 112/140     | 194.8  | 100/125    | 173.9  |
|                   | 219/380 | 3  | 50    | 112/140     | 212.7  | 100/125    | 189.9  |
|                   | 110/190 | 3  | 50    | 112/140     | 425.4  | 100/125    | 379.8  |
| 110/220           | 1       | 50 | 85/85 | 386.4       | 75/75  | 340.9      |        |
| <b>UCI274F311</b> | 277/480 | 3  | 60    | 140/175     | 210.5  | 126/157.5  | 189.4  |
|                   | 139/240 | 3  | 60    | 140/175     | 421    | 126/157.5  | 378.9  |
|                   | 254/440 | 3  | 60    | 140/175     | 229.6  | 126/157.5  | 206.7  |
|                   | 127/220 | 3  | 60    | 140/175     | 459.3  | 126/157.5  | 413.3  |
|                   | 240/416 | 3  | 60    | 140/175     | 242.9  | 126/157.5  | 218.6  |
|                   | 120/208 | 3  | 60    | 140/175     | 485.8  | 126/157.5  | 437.2  |
|                   | 120/240 | 3  | 60    | 140/175     | 421    | 126/157.5  | 378.9  |
|                   | 219/380 | 3  | 60    | 132/165     | 250.7  | 118/147.5  | 224.1  |
|                   | 120/240 | 1  | 60    | 108.8/108.8 | 453.3  | 97.5/97.5  | 406.3  |
|                   | 254/440 | 3  | 50    | 112/140     | 183.7  | 100/125    | 164    |
|                   | 127/220 | 3  | 50    | 112/140     | 367.4  | 100/125    | 328    |
|                   | 120/208 | 3  | 50    | 112/140     | 388.6  | 100/125    | 347    |
|                   | 240/415 | 3  | 50    | 112/140     | 194.8  | 100/125    | 173.9  |
|                   | 219/380 | 3  | 50    | 112/140     | 212.7  | 100/125    | 189.9  |
|                   | 110/190 | 3  | 50    | 112/140     | 425.4  | 100/125    | 379.8  |
| 110/220           | 1       | 50 | 96/96 | 436.4       | 87/87  | 395.5      |        |
| <b>UCI274E06</b>  | 120/240 | 1  | 60    | 115/115     | 479.2  | 100/100    | 416.7  |
| <b>UCI274F06</b>  | 120/240 | 1  | 60    | 135/135     | 562.5  | 125/125    | 520.8  |
| <b>UCI274G06</b>  | 120/240 | 1  | 60    | 140/140     | 583.3  | 125/125    | 520.8  |

RATINGS: All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor.

STANDBY RATINGS: Standby ratings apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Ratings are in accordance with ISO-3046/1, BS 5514, AS 2789, and DIN 6271.

PRIME POWER RATINGS: Prime power ratings apply to installations where utility power is unavailable or unreliable. At varying load the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings in accordance with ISO-8528/1, overload power in accordance with ISO-3046/1, BS5514, AS2789, and DIN 6271. For limited running time and base load ratings consult the factory. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever.

GENERAL GUIDELINES FOR DERATION: Altitude: Derate 0.5% per 100m (328 ft.) elevation above 1000m (3279 ft.)  
Temperature: Derate 1.0% per 10°C (18°F) temperature above 40°C (104°F).