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| VLAIS 75KVA-100KVA Ricardo Engine Silent Type Diesel Generator set |                                                                                                                                            |                  |                  |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|
| Model                                                              | 75kva                                                                                                                                      | 85kva            | 100kva           |
| Model number                                                       | KDE-75000                                                                                                                                  | KDE-85000        | KDE-100T         |
| Prime output(KVA/KW)                                               | 75/60                                                                                                                                      | 85/68            | 100/80           |
| Standby.output(KVA/KW)                                             | 82.5/66                                                                                                                                    | 93.5/74.8        | 110/88           |
| Frequency(HZ)                                                      | 50                                                                                                                                         |                  |                  |
| Rated voltage(V)                                                   | 220/380, 230/400 (Three/Single phase )                                                                                                     |                  |                  |
| Rated current(A)                                                   | 114                                                                                                                                        | 121              | 152              |
| Engine Model                                                       | R4108IZD/75kw                                                                                                                              | R41081ZLD/84kw   | 6105AZLD/121kw   |
| Engine Type                                                        | Multi-cylinder, Vertical In line, Direct Injection, 4-stroke diesel engine with forced liquid cooling, Turbo charged and electric starter. |                  |                  |
| Alternator(Stamford type )                                         | CP-224F/60kw                                                                                                                               | CP-224G/68kw     | CP-274C/80kw     |
| Alternator Type                                                    | Self-excitation, cinstant voltage(AVR), Single bearing, All copper and brushless                                                           |                  |                  |
| Cylinder number                                                    | 4                                                                                                                                          | 4                | 6                |
| Bore*stroke(mm)                                                    | 108*125                                                                                                                                    | 108*135          | 105*130          |
| Fuel consumption(L/kw.h)                                           | 0.27                                                                                                                                       | 0.26             | 0.26             |
| Fuel consumption(L)at full load                                    | 16.2                                                                                                                                       | 18.36            | 26               |
| Displacement(L)                                                    | 4.33                                                                                                                                       | 4.33             | 6.75             |
| Compression ratio                                                  | 100L                                                                                                                                       | 100L             | 150L             |
| Fuel Tank Capacity(L)                                              | 19:01                                                                                                                                      | 19:01            | 19:01            |
| Starting system                                                    | Electric starter                                                                                                                           | Electric starter | Electric starter |
| Rated rotation speed[rpm]                                          | 1500                                                                                                                                       | 1500             | 1500             |
| Certificate                                                        | CE;ISO9001                                                                                                                                 | CE;ISO9001       | CE;ISO9001       |
| Power factor Cos%                                                  | 0.8                                                                                                                                        | 0.8              | 0.8              |
| Insulation grade                                                   | H                                                                                                                                          | H                | H                |
| Dimension ( L*W*H)mm                                               | 2270*1030*1280                                                                                                                             | 2800*1080*1500mm | 2800*1080*1500mm |
| Net weight(KG)                                                     | 1100kg                                                                                                                                     | 1200kg           | 1300kg           |
| Operating temperature                                              | from -18℃ to + 50℃                                                                                                                         |                  |                  |
| Protection                                                         | Automatic thermal overcurrent                                                                                                              |                  |                  |
| Characteristics                                                    |                                                                                                                                            |                  |                  |
| 1.Digital Control panel (with voltage selection between the phase) |                                                                                                                                            |                  |                  |

2. Convenient electric start; Loading hook for easy transport ;

3. Output terminals

4. Ultracomposite cover(Super silent)

5. Improved oil and air filters

6. Emergency stop button of the power plant

7. Fuse switch

8. The load indication ;Improved AVR(Automatic Voltage Regulator)

9. One set parts for accessories parts(air/oil/fuel filters)

