


































## DT35 Nozzle Performance Data

US

|             |                              |   |                 |   |          |   |           |  |                |   |          |   |          |   |          |   |          |   |          |  |
|-------------|------------------------------|---|-----------------|---|----------|---|-----------|--|----------------|---|----------|---|----------|---|----------|---|----------|---|----------|--|
| 25°         | <i>DT35</i>                  | <b>30</b>   |                 | <b>31</b>   |          | <b>32</b>   |           | <b>33</b>  |                | <b>34</b>   |          | <b>35</b>   |          | <b>36</b>   |          | <b>37</b>   |          |   |          |  |
|             | Front<br>Nozzle<br>Positions |    |                 |    |          |    |           |    |                |    |          |    |          |    |          |    |          |   |          |  |
|             |                              | White Plug  |                 | Yellow  |          | Blue  |           | Brown  |                | Orange  |          | Green   |          | Gray  |          | Black   |          |   |          |  |
|             |                              | 102-2208  |                 | 102-6906  |          | 102-0726  |           | 102-6907   |                | 102-0728  |          | 102-6955  |          | 102-6935  |          | 102-6936  |          |   |          |  |
|             |                              |   |                 |   |          |   |           |   |                |   |          |   |          |   |          |   |          |   |          |  |
|             | Yellow                       |   | Beige           |   | Yellow   |   | Brown     |  | Yellow         |   | Yellow   |   | Yellow   |   | Green    |   | Green    |   |          |  |
|             | 102-5670                     |   | 102-6942        |   | 102-5670 |   | 102-5671  |  | 102-5670       |   | 102-6884 |   | 102-5670 |   | 102-6884 |   | 102-5670 |   | 102-6885 |  |
|             | Back<br>Nozzle<br>Positions  |    |                 |    |          |    |           |   |                |    |          |    |          |   |          |    |          |  |          |  |
|             |                              | Red plug  |                 | Red plug  |          | Red plug  |           | Red plug   |                | Red plug  |          | Red plug  |          | Red plug  |          | Red plug  |          | Red plug  |          |  |
|             | 102-4335                     |   | 102-4335        |   | 102-4335 |   | 102-4335  |  | 102-4335       |   | 102-4335 |   | 102-4335 |   | 102-4335 |   | 102-4335 |   | 102-4335 |  |
|             | PSI                          | rad/ft  | gpm             | rad/ft  | gpm      | rad/ft  | gpm       | rad/ft   | gpm            | rad/ft  | gpm      | rad/ft  | gpm      | rad/ft  | gpm      | rad/ft  | gpm      | rad/ft  | gpm      |  |
|             | 50                           | 43  | 8.2             | 53  | 13.8     | 56  | 18.3      | 61   | 21.7           | 65  | 25.3     | -   | -        | -   | -        | -   | -        | -   | -        |  |
| 65          | 45                           | 10.0  | 55              | 15.5  | 59       | 20.5  | 64        | 24.4   | 68             | 28.2  | 72       | 34.1  | -        | -   | -        | -   | -        | -   |          |  |
| 80          | 46                           | 11.5  | 57              | 17.3  | 62       | 22.7  | 67        | 27.1   | 71             | 31.1  | 75       | 37.8  | 78       | 40.3  | 80       | 44.0  | 83       | 47.3  |          |  |
| 100         | 47                           | 13.4  | 59              | 19.1  | 65       | 24.9  | 70        | 29.8   | 74             | 34.1  | 79       | 40.9  | 81       | 48.8  | 83       | 47.3  | 83       | 47.3  |          |  |
| Stator      | 102-6929 blue                |   | 102-1939 yellow |   |          |   |           |  | 102-1940 white |   |          |   |          |   |          |   |          |   |          |  |
| Conversions | DT35-3134                    |   |                 |   |          |   | DT35-3537 |  |                |   |          |   |          |   |          |   |          |   |          |  |

### Metric

| Bar | kPa | kg/cm2 | rad/M | lpm  | rad/M | lpm  | rad/M | lpm  | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   |
|-----|-----|--------|-------|------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 3,4 | 340 | 3,47   | 13.1  | 31.0 | 16.2  | 52.2 | 17.1  | 69.3 | 18.6  | 82.1  | -     | -     | -     | -     | -     | -     | -     | -     |
| 4,5 | 450 | 4,59   | 13.7  | 37.9 | 16.8  | 58.7 | 18.0  | 77.6 | 19.5  | 92.4  | 20.7  | 106.5 | 22.0  | 129.1 | -     | -     | -     | -     |
| 5,5 | 550 | 5,61   | 14.0  | 43.5 | 17.4  | 65.5 | 18.9  | 85.9 | 20.4  | 102.6 | 21.7  | 117.7 | 22.9  | 143.1 | 23.8  | 152.5 | 24.4  | 166.5 |
| 6,9 | 690 | 7,04   | 14.3  | 50.7 | 18.0  | 72.3 | 19.8  | 94.2 | 21.4  | 112.8 | 22.6  | 129.1 | 24.1  | 154.8 | 24.7  | 184.7 | 25.3  | 179.0 |

US














































|     |     |        |      |        |      |        |      |        |      |        |      |        |      |        |      |        |      |
|-----|-----|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 15° | PSI | rad/ft | gpm  | rad/ft | gpm  | rad/ft | gpm  | rad/ft | gpm  | rad/ft | gpm  | rad/ft | gpm  | rad/ft | gpm  | rad/ft | gpm  |
|     | 50  | 43     | 8.2  | 52     | 13.6 | 58     | 18.1 | 61     | 21.5 | 64     | 26.7 | -      | -    | -      | -    | -      | -    |
|     | 65  | 45     | 10.0 | 54     | 15.3 | 60     | 20.3 | 64     | 24.2 | 68     | 28.2 | 72     | 34.5 | -      | -    | -      | -    |
|     | 80  | 46     | 11.5 | 58     | 17.2 | 64     | 22.6 | 69     | 26.8 | 71     | 31.1 | 75     | 39.4 | 78     | 40.7 | 81     | 44.4 |
|     | 100 | 47     | 13.4 | 60     | 19.0 | 66     | 24.7 | 71     | 29.5 | 74     | 34.9 | 78     | 43.5 | 81     | 49.0 | 86     | 51.5 |

### Metric

| Bar | kPa | kg/cm2 | rad/M | lpm  | rad/M | lpm  | rad/M | lpm  | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   |
|-----|-----|--------|-------|------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 3,4 | 340 | 3,47   | 13.1  | 31.0 | 15.9  | 51.5 | 17.7  | 68.5 | 18.6  | 81.4  | -     | -     | -     | -     | -     | -     | -     |       |
| 4,5 | 450 | 4,59   | 13.7  | 37.9 | 16.5  | 57.9 | 18.3  | 76.8 | 19.5  | 91.6  | 20.7  | 106.5 | 22.0  | 130.6 | -     | -     | -     |       |
| 5,5 | 550 | 5,61   | 14.0  | 43.5 | 17.7  | 65.1 | 19.5  | 85.5 | 21.0  | 101.4 | 21.7  | 117.7 | 22.9  | 149.1 | 23.8  | 154.0 | 24.7  | 168.1 |
| 6,9 | 690 | 7,04   | 14.3  | 50.7 | 18.3  | 71.9 | 20.1  | 93.5 | 21.7  | 111.7 | 22.6  | 132.1 | 23.8  | 164.6 | 24.7  | 185.5 | 26.2  | 194.9 |

# DT55 Nozzle Performance Data

US

|             |                              |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |          |          |          |
|-------------|------------------------------|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|----------|----------|----------|
| 25°         | <i>DT55</i>                  | <b>51</b>   |   | <b>52</b>   |   | <b>53</b>   |   | <b>54</b>  |   | <b>55</b>   |   | <b>56</b>   |   | <b>57</b>   |   | <b>58</b>   |   | <b>59</b>   |   |          |          |          |
|             | Front<br>Nozzle<br>Positions |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |          |          |          |
|             |                              | Yellow  |   | Blue  |   | Brown   |   | Orange   |   | Green   |   | Gray  |   | Black   |   | Red   |   | Beige   |   |          |          |          |
|             |                              | 102-6906  |   | 102-0726  |   | 102-6907  |   | 102-0728   |   | 102-6955  |   | 102-6935  |   | 102-6936  |   | 102-6909  |   | 102-4259  |   |          |          |          |
|             |                              |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |          |          |          |
|             | Yellow                       | Brown   | Yellow  | Yellow  | Yellow  | Yellow  | Yellow  | Yellow   | Yellow  | Yellow  | Yellow  | Green   | Green   | Green   | Green   | Green   | Green   | Green   | Green   | Green    |          |          |
|             | 102-5670                     | 102-5671  | 102-5670  | 102-6884  | 102-5670  | 102-6884  | 102-5670  | 102-6884   | 102-5670  | 102-6884  | 102-5670  | 102-6885  | 102-6531  | 102-6885  | 102-6531  | 102-6885  | 102-6531  | 102-6885  | 102-6531  | 102-6885 | 102-6531 | 102-6885 |
|             | Back<br>Nozzle<br>Positions  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |          |          |          |
|             |                              | Red plug  | Red plug  | Red plug  | Red plug  | Red plug  | Red plug  | Red plug   | Red plug  | Red plug  | Red plug  | Red plug  | Red plug  | Red plug  | Red plug  | Red plug  | Red plug  | Red plug  | Red plug  | Red plug | Red plug |          |
|             | 102-4335                     | 102-4335  | 102-4335  | 102-4335  | 102-4335  | 102-4335  | 102-4335  | 102-4335   | 102-4335  | 102-4335  | 102-4335  | 102-4335  | 102-4335  | 102-4335  | 102-4335  | 102-4335  | 102-4335  | 102-4335  | 102-4335  | 102-4335 | 102-4335 |          |
|             | PSI                          | rad/ft  | gpm   | rad/ft  | gpm   | rad/ft  | gpm   | rad/ft   | gpm   | rad/ft  | gpm   | rad/ft  | gpm   | rad/ft  | gpm   | rad/ft  | gpm   | rad/ft  | gpm   | rad/ft   | gpm      |          |
|             | <b>50</b>                    | <b>55</b>   | <b>14.1</b>   | <b>57</b>   | <b>18.5</b>   | <b>62</b>   | <b>22.3</b>   | <b>66</b>  | <b>25.8</b>   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -        | -        |          |
| <b>65</b>   | <b>57</b>                    | <b>15.8</b>   | <b>60</b>   | <b>20.9</b>   | <b>65</b>   | <b>25.1</b>   | <b>69</b>   | <b>28.7</b>  | <b>73</b>   | <b>35.9</b>   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -        |          |          |
| <b>80</b>   | <b>59</b>                    | <b>17.5</b>   | <b>61</b>   | <b>23.1</b>   | <b>68</b>   | <b>27.8</b>   | <b>72</b>   | <b>31.7</b>  | <b>76</b>   | <b>39.7</b>   | <b>80</b>   | <b>43.1</b>   | <b>83</b>   | <b>48.2</b>   | <b>85</b>   | <b>50.0</b>   | <b>89</b>   | <b>57.5</b>   |   |          |          |          |
| <b>100</b>  | <b>61</b>                    | <b>19.3</b>   | <b>63</b>   | <b>25.3</b>   | <b>71</b>   | <b>30.3</b>   | <b>75</b>   | <b>34.5</b>  | <b>80</b>   | <b>43.5</b>   | <b>83</b>   | <b>49.0</b>   | <b>88</b>   | <b>51.5</b>   | <b>90</b>   | <b>53.9</b>   | <b>92</b>   | <b>61.3</b>   |   |          |          |          |
| Stator      | 102-1939 yellow              |   |   |   |   |   |   |  |   | 102-1940 white  |   |   |   |   |   |   |   |   | 102-1941 white  |          |          |          |
| Conversions | DT55-5154                    |   |   |   |   |   |   |  |   | DT55-5558   |   |   |   |   |   |   |   |   | DT55-59   |          |          |          |

**Metric**

| Bar | kPa | kg/cm2 | rad/M | lpm  | rad/M | lpm  | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   |
|-----|-----|--------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 3,4 | 340 | 3,47   | 16.8  | 53.4 | 17.4  | 70.0 | 18.9  | 84.4  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 4,5 | 450 | 4,59   | 17.4  | 59.8 | 18.3  | 79.1 | 19.8  | 95.0  | 21.0  | 108.6 | 22.3  | 135.9 | -     | -     | -     | -     | -     | -     | -     | -     |
| 5,5 | 550 | 5,61   | 18.0  | 66.2 | 18.6  | 87.4 | 20.7  | 105.2 | 22.0  | 120.0 | 23.2  | 150.3 | 24.4  | 163.1 | 25.3  | 182.4 | 25.9  | 189.3 | 27.1  | 217.6 |
| 6,9 | 690 | 7,04   | 18.6  | 73.1 | 19.2  | 95.8 | 21.7  | 114.7 | 22.9  | 130.6 | 24.4  | 164.6 | 25.3  | 185.5 | 26.8  | 194.9 | 27.5  | 204.0 | 28.1  | 232.0 |

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|     |            |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |        |     |   |
|-----|------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|--------|-----|---|
| 15° | PSI        | rad/ft    | gpm         | rad/ft    | gpm         | rad/ft    | gpm         | rad/ft    | gpm         | rad/ft    | gpm         | rad/ft    | gpm         | rad/ft    | gpm         | rad/ft    | gpm         | rad/ft    | gpm         | rad/ft | gpm |   |
|     | <b>50</b>  | <b>55</b> | <b>14.0</b> | <b>59</b> | <b>16.5</b> | <b>65</b> | <b>22.2</b> | <b>64</b> | <b>25.6</b> | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -      | -   |   |
|     | <b>65</b>  | <b>56</b> | <b>15.6</b> | <b>62</b> | <b>20.7</b> | <b>68</b> | <b>25.0</b> | <b>70</b> | <b>28.5</b> | <b>73</b> | <b>35.7</b> | -         | -           | -         | -           | -         | -           | -         | -           | -      | -   | - |
|     | <b>80</b>  | <b>59</b> | <b>17.4</b> | <b>66</b> | <b>23.0</b> | <b>71</b> | <b>27.7</b> | <b>73</b> | <b>31.5</b> | <b>76</b> | <b>39.5</b> | <b>77</b> | <b>42.8</b> | <b>78</b> | <b>47.9</b> | <b>79</b> | <b>49.5</b> | <b>82</b> | <b>57.2</b> |        |     |   |
|     | <b>100</b> | <b>60</b> | <b>19.2</b> | <b>68</b> | <b>25.1</b> | <b>73</b> | <b>30.2</b> | <b>75</b> | <b>34.3</b> | <b>78</b> | <b>43.2</b> | <b>80</b> | <b>48.7</b> | <b>82</b> | <b>51.2</b> | <b>83</b> | <b>53.4</b> | <b>85</b> | <b>60.8</b> |        |     |   |

**Metric**

| Bar | kPa | kg/cm2 | rad/M | lpm  | rad/M | lpm  | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   | rad/M | lpm   |
|-----|-----|--------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 3,4 | 340 | 3,47   | 16.8  | 53.0 | 18.0  | 62.5 | 19.8  | 84.0  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 4,5 | 450 | 4,59   | 17.1  | 59.0 | 18.9  | 78.3 | 20.7  | 94.6  | 21.4  | 107.9 | 22.3  | 135.1 | -     | -     | -     | -     | -     | -     | -     | -     |
| 5,5 | 550 | 5,61   | 18.0  | 65.9 | 20.1  | 87.1 | 21.7  | 104.8 | 22.3  | 119.2 | 23.2  | 149.5 | 23.5  | 162.0 | 23.8  | 181.3 | 24.1  | 187.4 | 25.0  | 216.5 |
| 6,9 | 690 | 7,04   | 18.3  | 72.7 | 20.7  | 95.0 | 22.3  | 114.3 | 22.9  | 129.8 | 23.8  | 163.5 | 24.4  | 184.3 | 25.0  | 193.8 | 25.3  | 202.1 | 25.9  | 230.1 |