

# DAB Pump 1 KDN

FIRE -FIGHTING BOOSTER SETS UNI EN12845 WITH ELECTRIC PUMP AND DIESEL PUMP

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Pressurization units for sprinkler system designed according to European standard EN 12845 The European Standard EN 12845 stated that units must be set up with:

- 1 electrical pump
- 1 diesel pump
- 2 electrical pumps
- 1 electrical pump + 1 diesel pump
- 2 diesel pumps
- 1 electrical pump + 2 diesel pumps
- 3 diesel pumps.

DAB pump sets are manufactured according to a modular design that allows to arrange all groups' version expected by Standard EN 12845.

DAB supply modular booster sets in four version:

- 1 KDN .... EN, composed by 1 electropump
- 1 KDN .... EN-JET, composed by 1 electropump + 1 jockey pump.
- 1 KDN MD EN; composed by 1 Diesel pump
- 1 KDN MD EN-JET, composed by 1 diesel pump + 1 jockey pump

To arrange all versions (booster with 2- 3 pumps) we supply the Joint manifold kits as accessory, the kit must be assembled between the delivery manifolds of the two single units.

Main components:

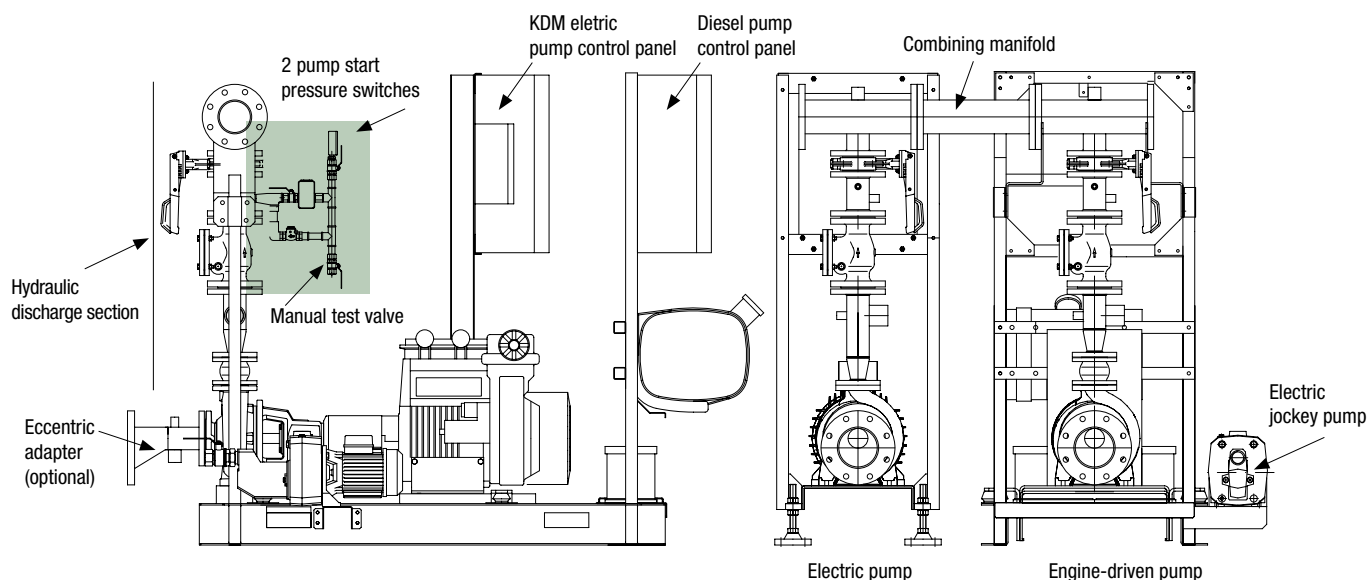
- Eccentric connection unit fixed on independent suction port of the pump.
- Standardised centrifugal pumps KDN series (with spacer coupling) with performance and construction according to EN 12845 standard

- Electrical or diesel motor able to supply the maximum power absorbed by the pump
  - Detection of diesel engine rotation (speed sensor)
  - one control panel for each pump, completed with voltmeters and ammeters, 2 starting batteries, 2 battery charge control units, rev counter, hour counter, Man-0-Aut selector, general switch, warning lights.
  - control panel for jockey pump (if present).
  - fuel diesel tank with capacity to guarantee 6 hours of operation (only for diesel version).
  - check valves
  - Jockey pump (if required) JET or KVCX series, for little pressure drop, complete with 1 expansion tank.
  - flow meter (optional) to be installed on delivery manifold.
  - galvanised steel base
  - galvanised steel delivery manifold complete with starting pressure switches, by-pass circuits and pressure gauge
- According to EN 12845, the user shall carry out a program of inspection and check, arrange test, service and maintenance schedule and keep records on a book which shall be kept in the premises.
- The installer shall provide the user with a documented inspection and checking procedure, with particular mention to emergency manual starting of pumps.

**DAB supplies, together with fire fighting boosters, a list of all inspections and checks required by EN 12845. The Declaration of Conformity to Standard EN 12845 is provided with each group.**



## EN ELECTRIC PUMP EN ENGINE-DRIVEN PUMP



# 1 KDN

## FIRE -FIGHTING BOOSTER SETS UNI EN12845 WITH ELECTRIC PUMP AND DIESEL PUMP

### TECHNICAL DATA - 1 KDN PUMPS

#### 1 KDN

| MODEL                                  | CODE      |
|----------------------------------------|-----------|
| 1KDN 32-160/177 5,5 T400/50 EN 12845   | 500813010 |
| 1KDN 32-200.1/207 7,5 T400/50 EN 12845 | 500813020 |
| 1KDN 32-200/180 5,5 T400/50 EN 12845   | 500813030 |
| 1KDN 32-200/200 7,5 T400/50 EN 12845   | 500813040 |
| 1KDN 32-200/219 11 T400/50 EN 12845    | 500813050 |
| 1KDN 32-250/250 11 T400/50 EN 12845    | 60122035  |
| 1KDN 32-250/259 15 T400/50 EN 12845    | 60122037  |
| 1KDN 40-160/161 7,5 T400/50 EN 12845   | 500813110 |
| 1KDN 40-160/177 11 T400/50 EN 12845    | 500813120 |
| 1KDN 40-200/200 11 T400/50 EN 12845    | 500813130 |
| 1KDN 40-200/219 15 T400/50 EN 12845    | 500813140 |
| 1KDN 40-250/230 15 T400/50 EN 12845    | 500813150 |
| 1KDN 40-250/240 18,5 T400/50 EN 12845  | 500813160 |
| 1KDN 40-250/260 22 T400/50 EN 12845    | 500813170 |
| 1KDN 50-160/161 11 T400/50 EN 12845    | 500813210 |
| 1KDN 50-160/177 15 T400/50 EN 12845    | 500813220 |
| 1KDN 50-200/190 15 T400/50 EN 12845    | 500813230 |
| 1KDN 50-200/210 18,5 T400/50 EN 12845  | 500813240 |
| 1KDN 50-200/219 22 T400/50 EN 12845    | 500813250 |
| 1KDN 50-250/230 22 T400/50 EN 12845    | 500813260 |
| 1KDN 50-250/250 30 T400/50 EN 12845    | 500813270 |
| 1KDN 50-250/263 37 T400/50 EN 12845    | 60122614  |
| 1KDN 65-160/153 11 T400/50 EN 12845    | 500813310 |
| 1KDN 65-160/177 15 T400/50 EN 12845    | 500813320 |
| 1KDN 65-200/190 18,5 T400/50 EN 12845  | 500813330 |
| 1KDN 65-200/200 22 T400/50 EN 12845    | 500813340 |
| 1KDN 65-200/219 30 T400/50 EN 12845    | 500813350 |
| 1KDN 65-250/230 30 T400/50 EN 12845    | 500813360 |
| 1KDN 65-250/250 37 T400/50 EN 12845    | 500813370 |
| 1KDN 65-250/263 45 T400/50 EN 12845    | 500813380 |
| 1KDN 80-160/177 30 T400/50 EN 12845    | 500813410 |
| 1KDN 80-200/200 37 T400/50 EN 12845    | 500813420 |
| 1KDN 80-200/222 45 T400/50 EN 12845    | 500813430 |
| 1KDN 80-250/240 55 T400/50 EN 12845    | 500813440 |
| 1KDN 80-250/260 75 T400/50 EN 12845    | 500813450 |
| 1KDN 80-250/270 90 T400/50 EN 12845    | 500813460 |
| 1KDN 100-200/200 45 T400/50 EN 12845   | 500814010 |
| 1KDN 100-200/210 55 T400/50 EN 12845   | 500814020 |
| 1KDN 100-200/219 75 T400/50 EN 12845   | 500814030 |
| 1KDN 100-250/240 75 T400/50 EN 12845   | 500814040 |
| 1KDN 100-250/250 90 T400/50 EN 12845   | 500814050 |
| 1KDN 100-250/260 110 T400/50 EN 12845  | 500814060 |

#### 1 KDN + PILOT PUMP

| MODEL                                      | CODE      |
|--------------------------------------------|-----------|
| 1KDN 32-160/177 5,5 T400/50 EN 12845-JET   | 500813510 |
| 1KDN 32-200.1/207 7,5 T400/50 EN 12845-JET | 500813520 |
| 1KDN 32-200/180 5,5 T400/50 EN 12845-JET   | 500813530 |
| 1KDN 32-200/200 7,5 T400/50 EN 12845-JET   | 500813540 |
| 1KDN 32-200/219 11 T400/50 EN 12845-JET    | 500813550 |
| 1KDN 32-250/250 11 T400/50 EN 12845 - KVCX | 60122036  |
| 1KDN 32-250/259 15 T400/50 EN 12845 - KVCX | 60122038  |
| 1KDN 40-160/161 7,5 T400/50 EN 12845-JET   | 500813610 |
| 1KDN 40-160/177 11 T400/50 EN 12845-JET    | 500813620 |
| 1KDN 40-200/200 11 T400/50 EN 12845-JET    | 500813630 |
| 1KDN 40-200/219 15 T400/50 EN 12845-JET    | 500813640 |
| 1KDN 40-250/230 15 T400/50 EN 12845-JET    | 500813650 |
| 1KDN 40-250/240 18,5 T400/50 EN 12845-JET  | 500813660 |
| 1KDN 40-250/260 22 T400/50 EN 12845-JET    | 500813670 |
| 1KDN 50-160/161 11 T400/50 EN 12845-JET    | 500813710 |
| 1KDN 50-160/177 15 T400/50 EN 12845-JET    | 500813720 |
| 1KDN 50-200/190 15 T400/50 EN 12845-JET    | 500813730 |
| 1KDN 50-200/210 18,5 T400/50 EN 12845-JET  | 500813740 |
| 1KDN 50-200/219 22 T400/50 EN 12845-JET    | 500813750 |
| 1KDN 50-250/230 22 T400/50 EN 12845-JET    | 500813760 |
| 1KDN 50-250/250 30 T400/50 EN 12845-JET    | 500813770 |
| 1KDN 50-250/263 MD EN 12845-KV 3/12        | 60122615  |
| 1KDN 65-160/153 11 T400/50 EN 12845-JET    | 500813810 |
| 1KDN 65-160/177 15 T400/50 EN 12845-JET    | 500813820 |
| 1KDN 65-200/190 18,5 T400/50 EN 12845-JET  | 500813830 |
| 1KDN 65-200/200 22 T400/50 EN 12845-JET    | 500813840 |
| 1KDN 65-200/219 30 T400/50 EN 12845-JET    | 500813850 |
| 1KDN 65-250/230 30 T400/50 EN 12845-JET    | 500813860 |
| 1KDN 65-250/250 37 T400/50 EN KVCX 65-80   | 500813870 |
| 1KDN 65-250/263 45 T400/50 EN KVCX 65-80   | 500813880 |
| 1KDN 80-160/177 30 T400/50 EN KVCX 65-80   | 500813910 |
| 1KDN 80-200/200 37 T400/50 EN KVCX 65-80   | 500813920 |
| 1KDN 80-200/222 45 T400/50 EN KVCX 65-80   | 500813930 |
| 1KDN 80-250/240 55 T400/50 EN KVCX 65-80   | 500813940 |
| 1KDN 80-250/260 75 T400/50 EN KVCX 65-80   | 500813950 |
| 1KDN 80-250/270 90 T400/50 EN KVCX 65-80   | 500813960 |
| 1KDN100-200/200 45 T400/50 EN KVCX65-80    | 500814510 |
| 1KDN100-200/210 55 T400/50 EN KVCX65-80    | 500814520 |
| 1KDN100-200/219 75 T400/50 EN KVCX65-80    | 500814530 |
| 1KDN100-250/240 75 T400/50 EN KVCX65-80    | 500814540 |
| 1KDN100-250/250 90 T400/50 EN KVCX65-80    | 500814550 |
| 1KDN100-250/260 110 400/50 EN KVCX65-80    | 500814560 |

# 1 KDN

## FIRE -FIGHTING BOOSTER SETS UNI EN12845 WITH ELECTRIC PUMP AND DIESEL PUMP

### TECHNICAL DATA - 1 DIESEL PUMP KDN

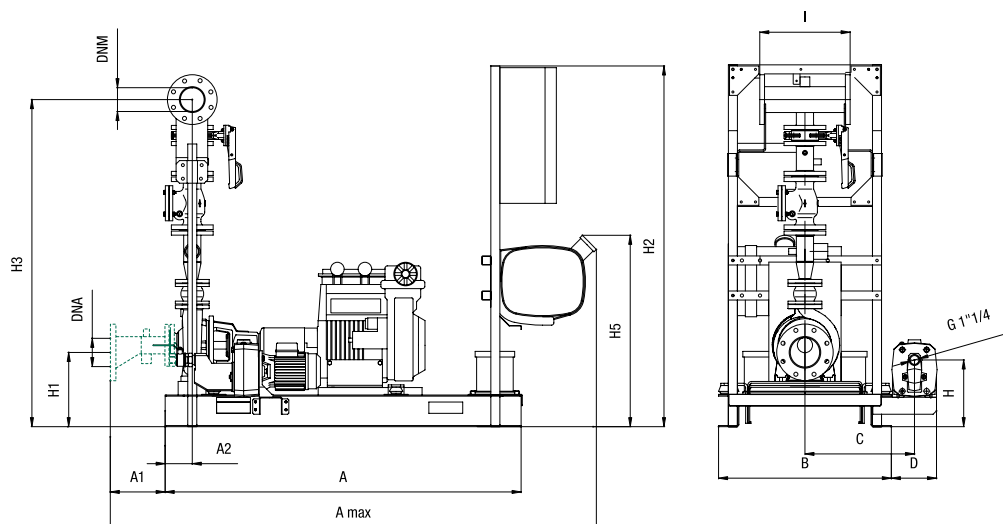
#### 1 DIESEL PUMP

| MODEL                         | CODE      |
|-------------------------------|-----------|
| 1KDN 32-160/177 MD EN 12845   | 503883060 |
| 1KDN 32-200.1/207 MD EN 12845 | 503883070 |
| 1KDN 32-200/180 MD EN 12845   | 503883080 |
| 1KDN 32-200/200 MD EN 12845   | 503883090 |
| 1KDN 32-200/219 MD EN 12845   | 503883100 |
| 1KDN 32-250/250 MD EN 12845   | 60122039  |
| 1KDN 32-250/259 MD EN 12845   | 60122041  |
| 1KDN 40-160/161 MD EN 12845   | 503883160 |
| 1KDN 40-160/177 MD EN 12845   | 503883170 |
| 1KDN 40-200/200 MD EN 12845   | 503883180 |
| 1KDN 40-200/219 MD EN 12845   | 503883190 |
| 1KDN 40-250/230 MD EN 12845   | 503883200 |
| 1KDN 40-250/240 MD EN 12845   | 503883210 |
| 1KDN 40-250/260 MD EN 12845   | 503883220 |
| 1KDN 50-160/161 MD EN 12845   | 503883260 |
| 1KDN 50-160/177 MD EN 12845   | 503883270 |
| 1KDN 50-200/190 MD EN 12845   | 503883280 |
| 1KDN 50-200/210 MD EN 12845   | 503883290 |
| 1KDN 50-200/219 MD EN 12845   | 503883300 |
| 1KDN 50-250/230 MD EN 12845   | 503883310 |
| 1KDN 50-250/250 MD EN 12845   | 503883320 |
| 1KDN 50-250/263 MD EN 12845   | 60122616  |
| 1KDN 65-160/153 MD EN 12845   | 503883360 |
| 1KDN 65-160/177 MD EN 12845   | 503883370 |
| 1KDN 65-200/190 MD EN 12845   | 503883380 |
| 1KDN 65-200/200 MD EN 12845   | 503883390 |
| 1KDN 65-200/219 MD EN 12845   | 503883400 |
| 1KDN 65-250/230 MD EN 12845   | 503883410 |
| 1KDN 65-250/250 MD EN 12845   | 503883420 |
| 1KDN 65-250/263 MD EN 12845   | 503883430 |
| 1KDN 80-160/177 MD EN 12845   | 503883440 |
| 1KDN 80-200/200 MD EN 12845   | 503883450 |
| 1KDN 80-200/222 MD EN 12845   | 503883460 |
| 1KDN 80-250/240 MD EN 12845   | 503883470 |
| 1KDN 80-250/260 MD EN 12845   | 503883480 |
| 1KDN 80-250/270 MD EN 12845   | 503883490 |
| 1KDN 100-200/200 MD EN 12845  | 503884010 |
| 1KDN 100-200/210 MD EN 12845  | 503884020 |
| 1KDN 100-200/219 MD EN 12845  | 503884030 |
| 1KDN 100-250/240 MD EN 12845  | 503884040 |
| 1KDN 100-250/250 MD EN 12845  | 503884050 |
| 1KDN 100-250/260 MD EN 12845  | 503884060 |

#### 1 DIESEL PUMP + PILOT PUMP

| MODEL                                  | CODE      |
|----------------------------------------|-----------|
| 1KDN 32-160/177 MD EN 12845-JET        | 503883560 |
| 1KDN 32-200.1/207 MD EN 12845-JET      | 503883570 |
| 1KDN 32-200/180 MD EN 12845-JET        | 503883580 |
| 1KDN 32-200/200 MD EN 12845-JET        | 503883590 |
| 1KDN 32-200/219 MD EN 12845-JET        | 503883600 |
| 1KDN 32-250/250 MD EN 12845-KVCX       | 60122040  |
| 1KDN 32-250/259 MD EN 12845-KVCX       | 60122042  |
| 1KDN 40-160/161 MD EN 12845-JET        | 503883660 |
| 1KDN 40-160/177 MD EN 12845-JET        | 503883670 |
| 1KDN 40-200/200 MD EN 12845-JET        | 503883680 |
| 1KDN 40-200/219 MD EN 12845-JET        | 503883690 |
| 1KDN 40-250/230 MD EN 12845-JET        | 503883700 |
| 1KDN 40-250/240 MD EN 12845-JET        | 503883710 |
| 1KDN 40-250/260 MD EN 12845-JET        | 503883720 |
| 1KDN 50-160/161 MD EN 12845-JET        | 503883760 |
| 1KDN 50-160/177 MD EN 12845-JET        | 503883770 |
| 1KDN 50-200/190 MD EN 12845-JET        | 503883780 |
| 1KDN 50-200/210 MD EN 12845-JET        | 503883790 |
| 1KDN 50-200/219 MD EN 12845-JET        | 503883800 |
| 1KDN 50-250/230 MD EN 12845-JET        | 503883810 |
| 1KDN 50-250/250 MD EN 12845-JET        | 503883820 |
| 1KDN 50-250/263 MD EN 12845-KV 3/12    | 60122620  |
| 1KDN 65-160/153 MD EN 12845-JET        | 503883860 |
| 1KDN 65-160/177 MD EN 12845-JET        | 503883870 |
| 1KDN 65-200/190 MD EN 12845-JET        | 503883880 |
| 1KDN 65-200/200 MD EN 12845-JET        | 503883890 |
| 1KDN 65-200/219 MD EN 12845-JET        | 503883900 |
| 1KDN 65-250/230 MD EN 12845-JET        | 503883910 |
| 1KDN 65-250/250 MD EN 12845-KVCX 65-80 | 503883920 |
| 1KDN 65-250/263 MD EN 12845-KVCX 65-80 | 503883930 |
| 1KDN 80-160/177 MD EN 12845-KVCX65-80  | 503883940 |
| 1KDN 80-200/200 MD EN 12845-KVCX65-80  | 503883950 |
| 1KDN 80-200/222 MD EN 12845-KVCX65-80  | 503883960 |
| 1KDN 80-250/240 MD EN 12845-KVCX65-80  | 503883970 |
| 1KDN 80-250/260 MD EN 12845-KVCX65-80  | 503883980 |
| 1KDN 80-250/270 MD EN 12845-KVCX65-80  | 503883990 |
| 1KDN 100-200/200 MD EN 12845-KVCX65-80 | 503884510 |
| 1KDN 100-200/210 MD EN 12845-KVCX65-80 | 503884520 |
| 1KDN 100-200/219 MD EN 12845-KVCX65-80 | 503884530 |
| 1KDN 100-250/240 MD EN 12845-KVCX65-80 | 503884540 |
| 1KDN 100-250/250 MD EN 12845-KVCX65-80 | 503884550 |
| 1KDN 100-250/260 MD EN 12845-KVCX65-80 | 503884560 |

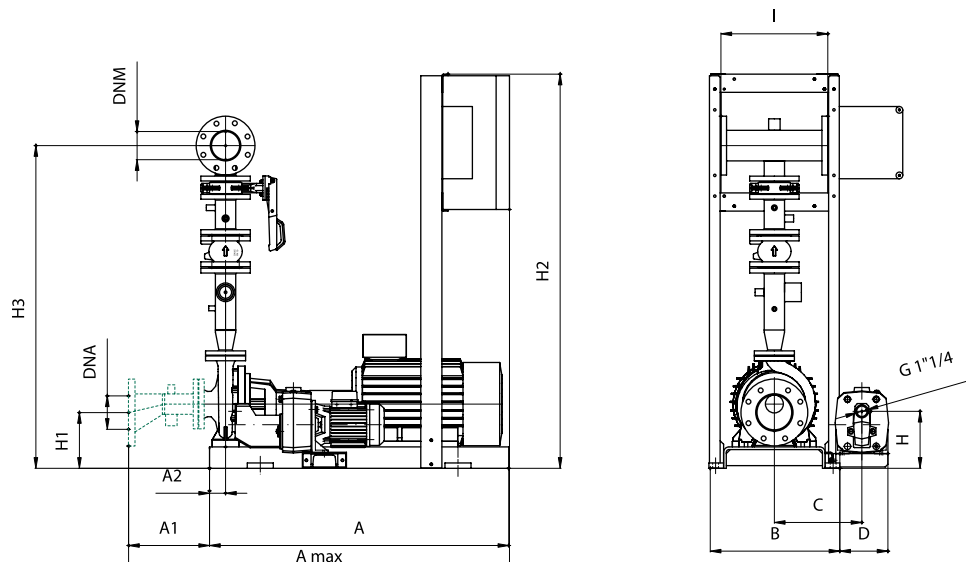
### DIMENSIONS AND WEIGHTS - DIESEL PUMP MODULE



\* COMPONENTS SHOWN WITH A BROKEN LINE ARE NOT INCLUDED IN THE STANDARD SUPPLY

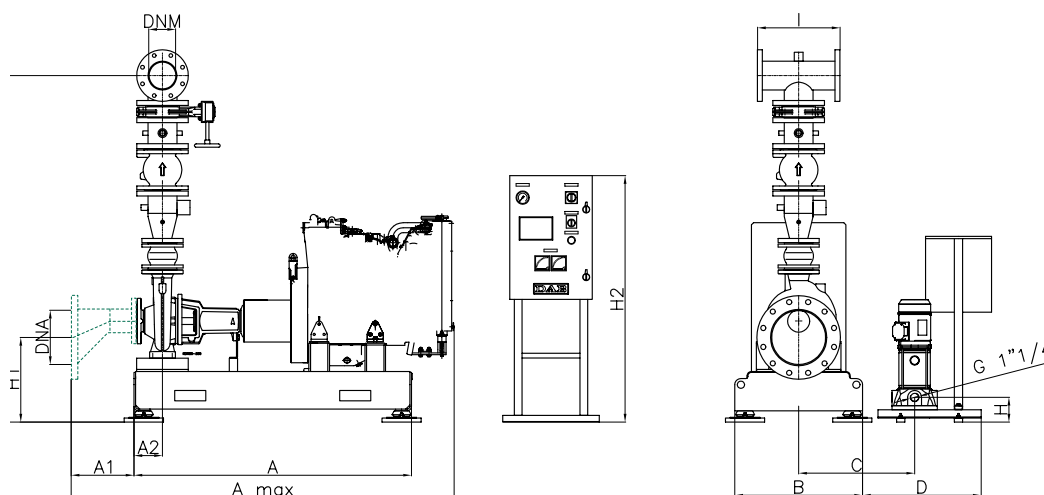
| DESCRIPTION                 |             | A    | Amax | A1  | A2  | B   | C   | D   | H   | H1  | H2   | H3   | H5  | I   | DNA | DNM    | without jockey pump Kg | with jockey pump Kg |
|-----------------------------|-------------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|--------|------------------------|---------------------|
| 1KDN 32-160/177             | MD EN 12845 | 1576 | 2110 | 200 | 120 | 795 | 485 | 200 | 295 | 315 | 1600 | 1202 | 846 | 400 | 80  | 2"     | 520                    | 550                 |
| 1KDN 32-200/207/180/200/219 | MD EN 12845 | 1576 | 2110 | 200 | 120 | 795 | 485 | 200 | 295 | 323 | 1600 | 1232 | 846 | 400 | 80  | 2"     | 520                    | 550                 |
| 1KDN 40-160/161/177         | MD EN 12845 | 1576 | 2135 | 225 | 120 | 795 | 485 | 200 | 295 | 315 | 1600 | 1262 | 846 | 400 | 100 | 2 1/2" | 570                    | 600                 |
| 1KDN 40-200/200/219         | MD EN 12845 | 1576 | 2155 | 245 | 120 | 795 | 485 | 200 | 295 | 343 | 1600 | 1307 | 846 | 400 | 100 | 2 1/2" | 590                    | 620                 |
| 1KDN 40-250/230-240         | MD EN 12845 | 1576 | 2155 | 245 | 120 | 795 | 485 | 200 | 295 | 343 | 1600 | 1352 | 846 | 400 | 100 | 2 1/2" | 600                    | 630                 |
| 1KDN 40-250/260             | MD EN 12845 | 1576 | 2155 | 245 | 120 | 795 | 485 | 200 | 295 | 363 | 1600 | 1372 | 846 | 400 | 100 | 2 1/2" | 650                    | 680                 |
| 1KDN 50-160/161             | MD EN 12845 | 1576 | 2170 | 260 | 120 | 795 | 485 | 200 | 295 | 312 | 1600 | 1330 | 846 | 400 | 125 | 80     | 610                    | 640                 |
| 1KDN 50-160/177             | MD EN 12845 | 1576 | 2170 | 260 | 120 | 795 | 485 | 200 | 295 | 332 | 1600 | 1350 | 846 | 400 | 125 | 80     | 620                    | 650                 |
| 1KDN 50-200/190             | MD EN 12845 | 1576 | 2170 | 260 | 120 | 795 | 485 | 200 | 295 | 332 | 1600 | 1370 | 846 | 400 | 125 | 80     | 630                    | 660                 |
| 1KDN 50-200/210             | MD EN 12845 | 1576 | 2170 | 260 | 120 | 795 | 485 | 200 | 295 | 332 | 1600 | 1370 | 846 | 400 | 125 | 80     | 630                    | 660                 |
| 1KDN 50-200/219             | MD EN 12845 | 1576 | 2170 | 260 | 120 | 795 | 485 | 200 | 295 | 332 | 1600 | 1370 | 846 | 400 | 125 | 80     | 630                    | 660                 |
| 1KDN 50-250/230-250         | MD EN 12845 | 1576 | 2170 | 260 | 120 | 795 | 485 | 200 | 295 | 352 | 1600 | 1415 | 846 | 400 | 125 | 80     | 690                    | 720                 |
| 1KDN 65-160/153             | MD EN 12845 | 1576 | 2185 | 275 | 120 | 795 | 485 | 200 | 295 | 303 | 1600 | 1420 | 846 | 400 | 150 | 100    | 650                    | 680                 |
| 1KDN 65-160/177             | MD EN 12845 | 1576 | 2185 | 275 | 120 | 795 | 485 | 200 | 295 | 323 | 1600 | 1440 | 846 | 400 | 150 | 100    | 660                    | 690                 |
| 1KDN 65-200/190             | MD EN 12845 | 1576 | 2185 | 275 | 120 | 795 | 485 | 200 | 295 | 323 | 1600 | 1465 | 846 | 400 | 150 | 100    | 690                    | 720                 |
| 1KDN 65-200/200-219         | MD EN 12845 | 1576 | 2185 | 275 | 120 | 795 | 485 | 200 | 295 | 343 | 1600 | 1485 | 846 | 400 | 150 | 100    | 700                    | 720                 |

### DIMENSIONS AND WEIGHTS - ELECTRIC PUMP MODULE



| DESCRIPTION             |          | A    | Amax | A1  | A2 | B   | C   | D   | H   | H1  | H2   | H3   | I   | DNA | DNM    | without jockey pump Kg | with jockey pump Kg |
|-------------------------|----------|------|------|-----|----|-----|-----|-----|-----|-----|------|------|-----|-----|--------|------------------------|---------------------|
| 1KDN 32-160/177         | EN 12845 | 1000 | 1280 | 257 | 60 | 450 | 307 | 180 | 220 | 195 | 1475 | 1082 | 400 | 80  | 2"     | 270                    | 300                 |
| 1KDN 32-200/207/180/200 | EN 12845 | 1000 | 1280 | 257 | 60 | 450 | 307 | 180 | 220 | 223 | 1475 | 1132 | 400 | 80  | 2"     | 320                    | 350                 |
| 1KDN 32-200/219         | EN 12845 | 1120 | 1380 | 257 | 60 | 490 | 327 | 180 | 220 | 223 | 1475 | 1132 | 400 | 80  | 2"     | 350                    | 380                 |
| 1KDN 40-160/161         | EN 12845 | 1000 | 1306 | 283 | 60 | 450 | 307 | 180 | 220 | 195 | 1475 | 1142 | 400 | 100 | 2 1/2" | 310                    | 340                 |
| 1KDN 40-160/177         | EN 12845 | 1120 | 1406 | 283 | 60 | 490 | 327 | 180 | 220 | 223 | 1475 | 1167 | 400 | 100 | 2 1/2" | 320                    | 350                 |
| 1KDN 40-200/200/219     | EN 12845 | 1120 | 1426 | 303 | 60 | 490 | 327 | 180 | 220 | 223 | 1475 | 1187 | 400 | 100 | 2 1/2" | 430                    | 450                 |
| 1KDN 40-250/230/240/260 | EN 12845 | 1250 | 1538 | 288 | 60 | 540 | 352 | 180 | 220 | 243 | 1475 | 1252 | 400 | 100 | 2 1/2" | 450                    | 480                 |
| 1KDN 50-160/161/177     | EN 12845 | 1120 | 1440 | 316 | 60 | 490 | 327 | 180 | 220 | 212 | 1475 | 1230 | 400 | 125 | 80     | 350                    | 380                 |
| 1KDN 50-200/190/210     | EN 12845 | 1120 | 1440 | 316 | 60 | 490 | 327 | 180 | 220 | 212 | 1475 | 1250 | 400 | 125 | 80     | 420                    | 450                 |
| 1KDN 50-200/210         | EN 12845 | 1120 | 1440 | 316 | 60 | 490 | 327 | 180 | 220 | 232 | 1475 | 1270 | 400 | 125 | 80     | 480                    | 510                 |
| 1KDN 50-250/230         | EN 12845 | 1250 | 1550 | 300 | 75 | 540 | 352 | 180 | 220 | 232 | 1475 | 1295 | 400 | 125 | 80     | 500                    | 530                 |
| 1KDN 50-250/250         | EN 12845 | 1400 | 1700 | 300 | 75 | 590 | 377 | 180 | 220 | 272 | 1475 | 1335 | 400 | 125 | 80     | 550                    | 580                 |
| 1KDN 65-160/153/177     | EN 12845 | 1120 | 1145 | 330 | 60 | 490 | 327 | 180 | 220 | 203 | 1475 | 1325 | 400 | 150 | 100    | 440                    | 470                 |
| 1KDN 65-200/190/200     | EN 12845 | 1250 | 1565 | 315 | 75 | 540 | 352 | 180 | 220 | 223 | 1475 | 1365 | 400 | 150 | 100    | 520                    | 550                 |
| 1KDN 65-200/219         | EN 12845 | 1400 | 1715 | 315 | 75 | 590 | 377 | 180 | 200 | 263 | 1475 | 1405 | 400 | 150 | 100    | 620                    | 650                 |

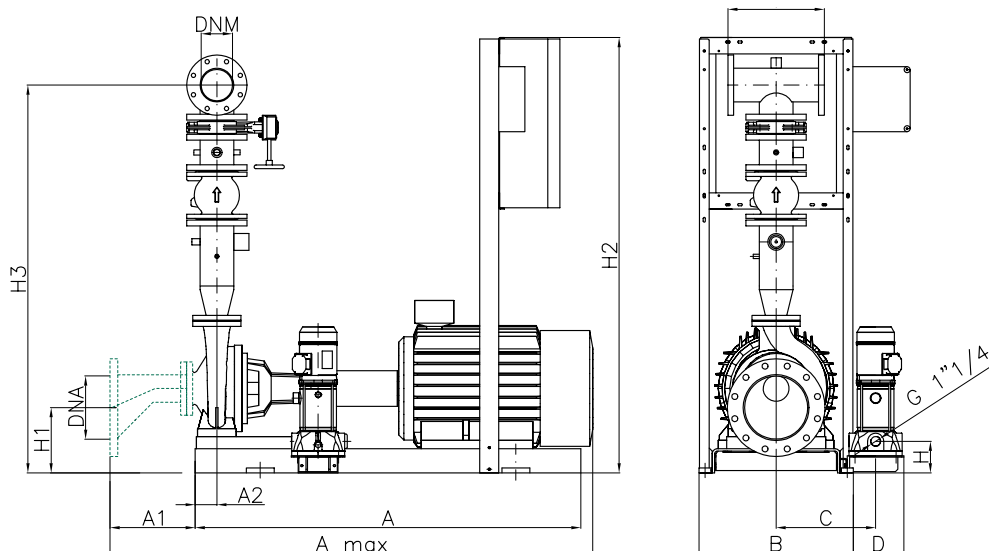
### DIMENSIONS AND WEIGHTS - DIESEL PUMP MODULE



\* COMPONENTS SHOWN WITH A BROKEN LINE ARE NOT INCLUDED IN THE STANDARD SUPPLY

| DESCRIPTION          |             | A    | Amax | A1  | A2  | B   | C   | D   | H   | H1  | H2   | H3   | I   | DNA | DNM | without jockey pump Kg | with jockey pump Kg |
|----------------------|-------------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|------------------------|---------------------|
| 1KDN 80-200/200      | MD EN 12845 | 1346 | 1834 | 278 | 139 | 620 | 562 | 575 | 120 | 438 | 1200 | 1680 | 400 | 200 | 125 | 930                    | 960                 |
| 1KDN 80-200/222      | MD EN 12845 | 1346 | 1834 | 278 | 139 | 620 | 562 | 575 | 120 | 438 | 1200 | 1680 | 400 | 200 | 125 | 940                    | 970                 |
| 1KDN 80-250/240      | MD EN 12845 | 1459 | 1939 | 278 | 139 | 722 | 613 | 575 | 120 | 453 | 1200 | 1725 | 400 | 200 | 125 | 1000                   | 1030                |
| 1KDN 80-250/260-270  | MD EN 12845 | 1662 | 2202 | 278 | 139 | 722 | 613 | 575 | 120 | 453 | 1200 | 1725 | 400 | 200 | 125 | 1200                   | 1230                |
| 1KDN 100-200/200     | MD EN 12845 | 1346 | 1887 | 335 | 139 | 620 | 562 | 575 | 120 | 423 | 1200 | 1803 | 600 | 250 | 150 | 1100                   | 1130                |
| 1KDN 100-200/210     | MD EN 12845 | 1459 | 1995 | 335 | 139 | 722 | 613 | 575 | 120 | 438 | 1200 | 1818 | 600 | 250 | 150 | 1160                   | 1190                |
| 1KDN 100-200/219     | MD EN 12845 | 1682 | 2258 | 335 | 139 | 722 | 613 | 575 | 120 | 438 | 1200 | 1818 | 600 | 250 | 150 | 1265                   | 1295                |
| 1KDN 100-250/240-250 | MD EN 12845 | 1682 | 2273 | 349 | 139 | 722 | 613 | 575 | 120 | 438 | 1200 | 1818 | 600 | 250 | 150 | 1280                   | 1310                |
| 1KDN 100-250/260     | MD EN 12845 | 1750 | 2218 | 368 | 120 | 800 | 652 | 575 | 120 | 450 | 1200 | 1861 | 600 | 250 | 150 | 1300                   | 1330                |

### DIMENSIONS AND WEIGHTS - ELECTRIC PUMP MODULE



\* COMPONENTS SHOWN WITH A BROKEN LINE ARE NOT INCLUDED IN THE STANDARD SUPPLY

| DESCRIPTION          |                | A    | Amax | A1  | A2 | B   | C   | D   | H   | H1  | H2   | H3   | I   | DNA | DNM | without jockey pump Kg | with jockey pump Kg |
|----------------------|----------------|------|------|-----|----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|------------------------|---------------------|
| 1KDN 65-250/230-250  | 30-37 EN 12845 | 1400 | 1773 | 289 | 90 | 590 | 388 | 215 | 131 | 260 | 1800 | 1434 | 400 | 150 | 100 | 680                    | 710                 |
| 1KDN 65-250/263      | 45KW EN 12845  | 1400 | 1828 | 289 | 90 | 590 | 388 | 215 | 131 | 285 | 1800 | 1460 | 400 | 150 | 100 | 760                    | 790                 |
| 1KDN 80-160/177      | 30 KW EN 12845 | 1400 | 1743 | 342 | 75 | 590 | 388 | 215 | 131 | 248 | 1800 | 1504 | 400 | 200 | 125 | 720                    | 750                 |
| 1KDN 80-200/200      | 37KW EN 12845  | 1400 | 1811 | 342 | 75 | 590 | 388 | 215 | 131 | 248 | 1800 | 1528 | 400 | 200 | 125 | 750                    | 780                 |
| 1KDN 80-200/222      | 45KW EN 12845  | 1400 | 1866 | 342 | 75 | 590 | 388 | 215 | 131 | 273 | 1800 | 1553 | 400 | 200 | 125 | 820                    | 850                 |
| 1KDN 80-250/240      | 55KW EN 12845  | 1600 | 1976 | 327 | 90 | 640 | 413 | 210 | 131 | 298 | 1800 | 1608 | 400 | 200 | 125 | 920                    | 950                 |
| 1KDN 80-250/260-270  | 75-90 EN 12845 | 1800 | 2127 | 327 | 95 | 710 | 448 | 210 | 131 | 328 | 1800 | 1639 | 400 | 200 | 125 | 1170                   | 1200                |
| 1KDN 100-200/200     | 45KW EN 12845  | 1400 | 1922 | 398 | 90 | 590 | 388 | 215 | 131 | 258 | 1800 | 1645 | 600 | 250 | 150 | 1120                   | 1150                |
| 1KDN 100-200/210     | 55KW EN 12845  | 1600 | 2032 | 383 | 90 | 640 | 413 | 210 | 131 | 283 | 1800 | 1670 | 600 | 250 | 150 | 1200                   | 1230                |
| 1KDN 100-200/219     | 75KW EN 12845  | 1800 | 2183 | 383 | 90 | 710 | 448 | 210 | 131 | 313 | 1800 | 1700 | 600 | 250 | 150 | 1280                   | 1310                |
| 1KDN 100-250/240-250 | 75-90 EN 12845 | 1800 | 2198 | 398 | 90 | 710 | 448 | 210 | 131 | 313 | 1800 | 1700 | 600 | 250 | 150 | 1320                   | 1350                |
| 1KDN 100-250/260     | 110KW EN 12845 | 2000 | 2447 | 398 | 90 | 860 | 523 | 210 | 131 | 368 | 1800 | 1755 | 600 | 250 | 150 | 1430                   | 1460                |