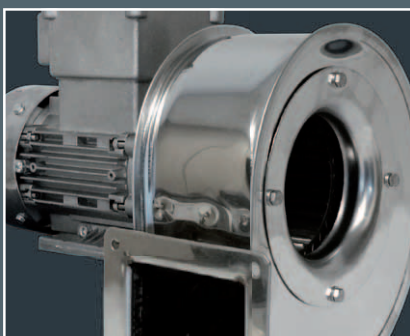
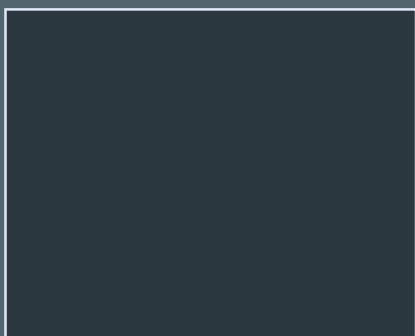




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# > BOX-T HT



Ventilatori cassonati a doppia aspirazione a trasmissione F400 Certificati secondo la EN 12101-3

Belt driven double inlet box fans F400 Certified according to EN 12101-3



**Applus<sup>+</sup>**  
**F400**

Certificato / Certificate nr 0370-CPD-1377

## DESCRIZIONE GENERALE

I ventilatori della serie BOX-T HT a doppia aspirazione a trasmissione sono dei centrifughi cassonati nati per utilizzo industriale dove è necessaria l'estrazione dei fumi di incendio. Vengono impiegati per gli impianti di aspirazione dove esistono problemi di fumane e temperature fino a 200°C con servizio continuo o nei casi di incendio dove si richiede 400°C per 2 ore consecutive.

La serie è idonea al funzionamento alla temperatura di +200°C in servizio S1 ed è certificata CE in Classe F400 secondo la EN12101-3 dall'ente autonomo qualificato Applus.

## COSTRUZIONE

- Cassone smontabile a forma cubica in lamiera di acciaio zincata
- Ventilatore a doppia aspirazione con girante centrifuga a pale avanti.
- Trasmissione con supporti auto allineanti esterna al flusso. Protetta da un carter in lamiera.
- Piastra portamotore regolabile in altezza per un ottimale tensionamento delle cinghie, con possibilità di posizionare la trasmissione e il motore a destra o a sinistra a richiesta secondo le esigenze dell'impianto.
- Motore asincrono trifase, IP 55, Classe F, singola o doppia polarità, idoneo a servizio S1, forma B3, costruzione a norme UNEL MEC.
- Esecuzione 9: accoppiamento a trasmissione con motore posizionato sul pannello superiore.
- Esecuzione 12: accoppiamento a trasmissione con motore posizionato lateralmente su un basamento comune (solo per motori sopra i 7,5kW).

## A RICHIESTA

- Versione con motore a doppia polarità

## DESCRIPTION

The belt driven double inlet BOX-T HT fans are destined to plants requiring fire smoke exhaust. They are suitable for conveying clean air and non dusty smokes up to the maximum temperature of 200°C in continuous service or in case of fire emergency at the temperature of 400°C for 120 minutes (F400).

The series is suitable for running at the temperature of +200°C in S1 service and CE certified F400 according to EN12101-3 by the independent notify body Applus.

## CONSTRUCTION

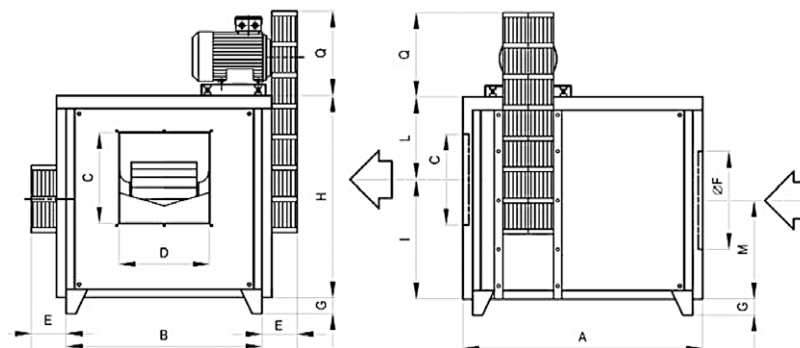
- Dismountable cabinet in galvanized steel sheet. Double inlet impeller with forward curved blades in galvanized steel sheet.
- Belt coupling with self aligning supports, outside the airflow. Height adjustable motor support plate for the tensioning of the belt. Belt coupling is protected by a guard in galvanized sheet.
- Asynchronous three-phase motor, IP 55 mechanical protection, insulation class F, single or double polarity, suitable for S1 service, mounting type B3, construction according to IEC/EEC (UNEL MEC).
- Arrangement 9: belt coupling with motor placed on the upper panel.
- Arrangement 12: belt coupling with motor placed aside on a common basement (only for motors above 7.5kW).

## UPON REQUEST

- Version with double polarity motor.

## DIMENSIONI Dimensions

BOX-T HT



| TIPO / TYPE  | A    | B    | H    | C   | D   | E   | ØF  | G   | I   | L   | M   | Q   | Kg      |     |
|--------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|
|              |      |      |      |     |     |     |     |     |     |     |     |     | min     | max |
| BOX-T HT 250 | 650  | 600  | 600  | 300 | 300 | 158 | 405 | 100 | 370 | 230 | 300 | 350 | 75-90   |     |
| BOX-T HT 300 | 730  | 700  | 680  | 350 | 350 | 173 | 500 | 100 | 425 | 255 | 340 | 410 | 100-135 |     |
| BOX-T HT 350 | 860  | 800  | 750  | 400 | 400 | 173 | 610 | 100 | 470 | 280 | 375 | 410 | 145-270 |     |
| BOX-T HT 400 | 1030 | 900  | 840  | 450 | 450 | 173 | 650 | 100 | 535 | 305 | 420 | 420 | 210-330 |     |
| BOX-T HT 450 | 1200 | 1000 | 960  | 500 | 500 | 173 | 750 | 100 | 630 | 330 | 480 | 420 | 250-500 |     |
| BOX-T HT 500 | 1250 | 1200 | 1020 | 600 | 600 | 173 | 800 | 100 | 640 | 380 | 510 | 420 | 310-590 |     |

Dimensioni in mm / Dimensions in mm

Le prestazioni aeruliche sono rilevate in conformità alla norma EN ISO 5801/AMCA 210 con densità dell'aria standard avente peso specifico 1.2 kg/m³.  
Alimentazione 230V/1Ph/50Hz o 400V/3Ph/50Hz.

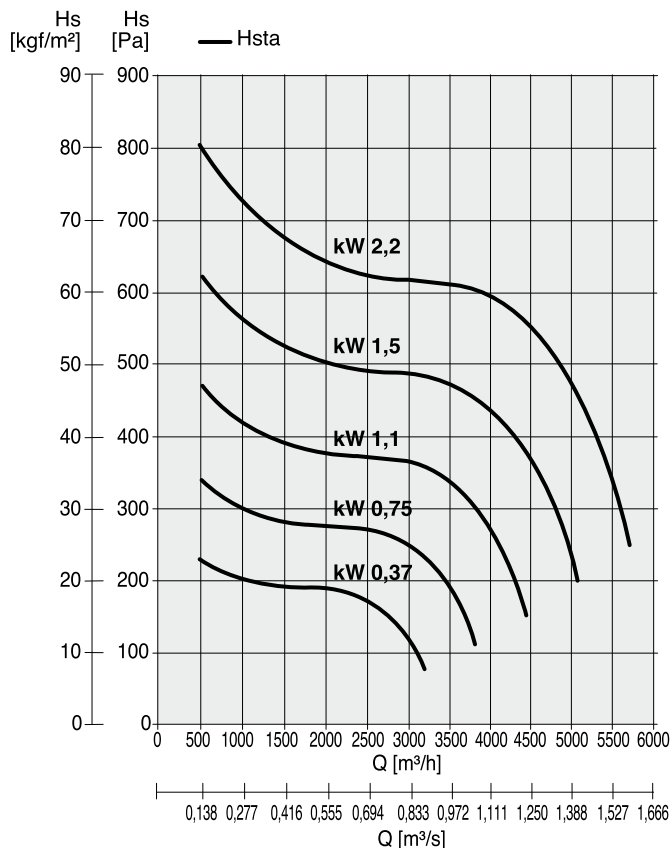
**Lp:** livello di pressione sonora rilevato a 3 m in campo libero dal centro del ventilatore con bocche canalizzate - Tolleranza +/- 3dB(A)

Air performances measured according to EN ISO 5801 / AMCA 210 standard with air density with 1.2 kg/m³ specific weight.  
Power supply 230V/1Ph/50Hz or 400V/3Ph/50Hz.

**Lp:** sound pressure level measured at 3 m in free field from the center of the fan with inlet / outlet ducted - Tolerance +/- 3 dB(A)

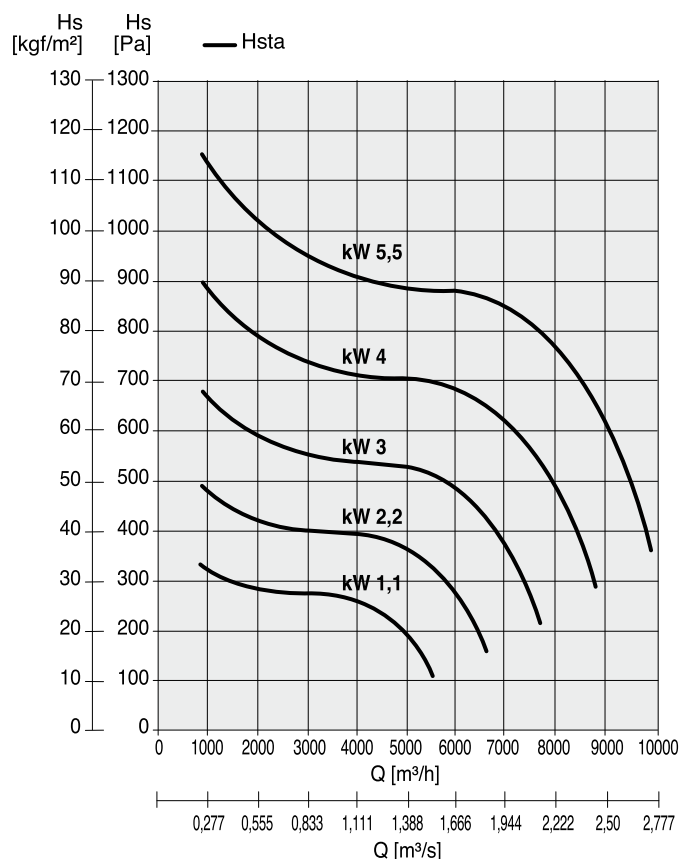
### BOX-T HT 254

| Cod.    | Tipo Type | Modello Model | U | rpm  | Pm (kW) | In (A) | m³/h  | IP/CL | Mot. (Gr) | Lp dB(A) |
|---------|-----------|---------------|---|------|---------|--------|-------|-------|-----------|----------|
| 7VE0263 | BOX-T HT  | 254/A         | T | 1800 | 2,20    | 4,90   | 5.700 | 55/F  | 100       | 66       |
| 7VE0256 | BOX-T HT  | 254/B         | T | 1600 | 1,50    | 3,45   | 5.050 | 55/F  | 90        | 64       |
| 7VE0254 | BOX-T HT  | 254/C         | T | 1400 | 1,10    | 2,64   | 4.300 | 55/F  | 90        | 61       |
| 7VE0253 | BOX-T HT  | 254/D         | T | 1200 | 0,75    | 1,93   | 3.700 | 55/F  | 80        | 57       |
| 7VE0252 | BOX-T HT  | 254/E         | T | 1000 | 0,37    | 1,11   | 3.150 | 55/F  | 71        | 53       |



### BOX-T HT 304

| Cod.    | Tipo Type | Modello Model | U | rpm  | Pm (kW) | In (A) | m³/h  | IP/CL | Mot. (Gr) | Lp dB(A) |
|---------|-----------|---------------|---|------|---------|--------|-------|-------|-----------|----------|
| 7VE0309 | BOX-T HT  | 304/A         | T | 1800 | 5,50    | 11,00  | 9.700 | 55/F  | 132       | 72       |
| 7VE0307 | BOX-T HT  | 304/B         | T | 1600 | 4,00    | 8,26   | 8.700 | 55/F  | 112       | 69       |
| 7VE0306 | BOX-T HT  | 304/C         | T | 1400 | 3,00    | 6,47   | 7.400 | 55/F  | 100       | 67       |
| 7VE0301 | BOX-T HT  | 304/D         | T | 1200 | 2,20    | 4,90   | 6.300 | 55/F  | 100       | 63       |
| 7VE0302 | BOX-T HT  | 304/E         | T | 1000 | 1,10    | 2,64   | 5.300 | 55/F  | 90        | 59       |



Le prestazioni aeruliche sono rilevate in conformità alla norma EN ISO 5801/AMCA 210 con densità dell'aria standard avente peso specifico 1.2 kg/m³.  
Alimentazione 230V/1Ph/50Hz o 400V/3Ph/50Hz.

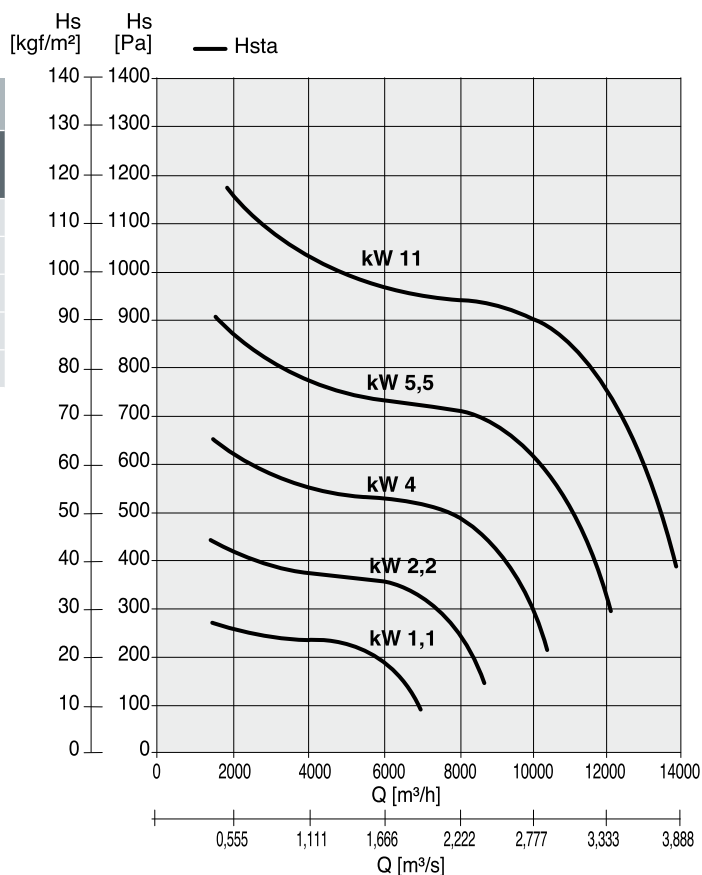
**Lp**: livello di pressione sonora rilevato a 3 m in campo libero dal centro del ventilatore con bocche canalizzate - Tolleranza +/- 3dB(A)

Air performances measured according to EN ISO 5801 / AMCA 210 standard with air density with 1.2 kg/m³ specific weight.  
Power supply 230V/1Ph/50Hz or 400V/3Ph/50Hz.

**Lp**: sound pressure level measured at 3 m in free field from the center of the fan with inlet / outlet ducted - Tolerance +/- 3 dB(A)

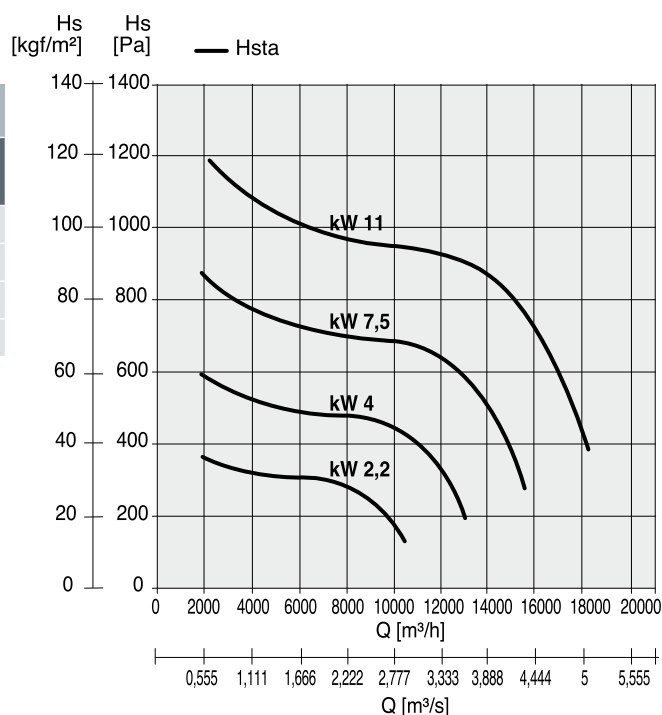
### BOX-T HT 354

| Cod.    | Tipo     | Modello | U | rpm  | Pm (kW) | In (A) | m³/h   | IP/CL | Mot. (Gr) | Lp dB(A) |
|---------|----------|---------|---|------|---------|--------|--------|-------|-----------|----------|
| 7VE0356 | BOX-T HT | 354/A   | T | 1600 | 11,00   | 21,30  | 13.600 | 55/F  | 160       | 74       |
| 7VE0351 | BOX-T HT | 354/B   | T | 1400 | 5,50    | 11,00  | 12.000 | 55/F  | 132       | 71       |
| 7VE0353 | BOX-T HT | 354/C   | T | 1200 | 4,00    | 8,26   | 10.100 | 55/F  | 112       | 68       |
| 7VE0352 | BOX-T HT | 354/D   | T | 1000 | 2,20    | 4,90   | 8.250  | 55/F  | 100       | 64       |
| 7VE0357 | BOX-T HT | 354/E   | T | 800  | 1,10    | 2,64   | 6.800  | 55/F  | 90        | 59       |



### BOX-T HT 404

| Cod.    | Tipo     | Modello | U | rpm  | Pm (kW) | In (A) | m³/h   | IP/CL | Mot. (Gr) | Lp dB(A) |
|---------|----------|---------|---|------|---------|--------|--------|-------|-----------|----------|
| 7VE0403 | BOX-T HT | 404/A   | T | 1400 | 11,00   | 21,30  | 18.200 | 55/F  | 160       | 74       |
| 7VE0402 | BOX-T HT | 404/B   | T | 1200 | 7,50    | 14,60  | 16.000 | 55/F  | 132       | 72       |
| 7VE0400 | BOX-T HT | 404/C   | T | 1000 | 4,00    | 8,26   | 13.000 | 55/F  | 112       | 68       |
| 7VE0401 | BOX-T HT | 404/D   | T | 800  | 2,20    | 4,90   | 10.100 | 55/F  | 100       | 63       |



Le prestazioni aeruliche sono rilevate in conformità alla norma EN ISO 5801/AMCA 210 con densità dell'aria standard avente peso specifico 1.2 kg/m³.  
Alimentazione 230V/1Ph/50Hz o 400V/3Ph/50Hz.

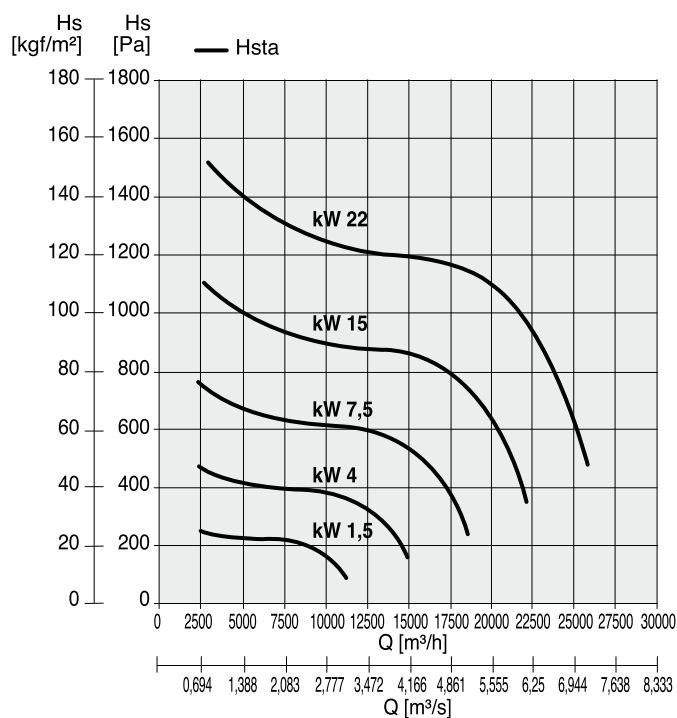
**Lp:** livello di pressione sonora rilevato a 3 m in campo libero dal centro del ventilatore con bocche canalizzate - Tolleranza +/- 3dB(A)

Air performances measured according to EN ISO 5801 / AMCA 210 standard with air density with 1.2 kg/m³ specific weight.  
Power supply 230V/1Ph/50Hz or 400V/3Ph/50Hz.

**Lp:** sound pressure level measured at 3 m in free field from the center of the fan with inlet / outlet ducted - Tolerance +/- 3 dB(A)

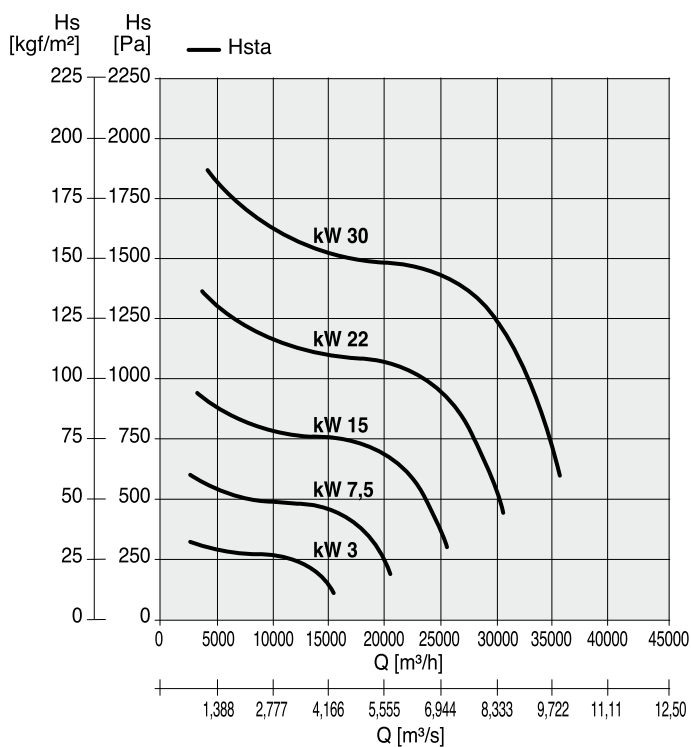
### BOX-T HT 454

| Cod.    | Tipo Type | Modello Model | U | rpm  | Pm (kW) | In (A) | m³/h   | IP/CL | Mot. (Gr) | Lp dB(A) |
|---------|-----------|---------------|---|------|---------|--------|--------|-------|-----------|----------|
| 7VE0451 | BOX-T HT  | 454/A         | T | 1400 | 22,00   | 38,80  | 25.500 | 55/F  | 180       | 74       |
| 7VE0450 | BOX-T HT  | 454/B         | T | 1200 | 15,00   | 27,70  | 22.000 | 55/F  | 160       | 72       |
| 7VE0452 | BOX-T HT  | 454/C         | T | 1000 | 7,50    | 14,60  | 18.000 | 55/F  | 132       | 68       |
| 7VE0453 | BOX-T HT  | 454/D         | T | 800  | 4,00    | 8,26   | 14.500 | 55/F  | 112       | 63       |
| 7VE0454 | BOX-T HT  | 454/E         | T | 600  | 1,50    | 3,45   | 11.000 | 55/F  | 90        | 60       |



### BOX-T HT 504

| Cod.    | Tipo Type | Modello Model | U | rpm  | Pm (kW) | In (A) | m³/h   | IP/CL | Mot. (Gr) | Lp dB(A) |
|---------|-----------|---------------|---|------|---------|--------|--------|-------|-----------|----------|
| 7VE0502 | BOX-T HT  | 504/A         | T | 1400 | 30,00   | 53,00  | 35.000 | 55/F  | 225       | 82       |
| 7VE0503 | BOX-T HT  | 504/B         | T | 1200 | 22,00   | 38,80  | 30.000 | 55/F  | 180       | 78       |
| 7VE0504 | BOX-T HT  | 504/C         | T | 1000 | 15,00   | 27,70  | 25.000 | 55/F  | 160       | 74       |
| 7VE0500 | BOX-T HT  | 504/D         | T | 800  | 7,50    | 14,60  | 20.000 | 55/F  | 132       | 70       |
| 7VE0505 | BOX-T HT  | 504/E         | T | 600  | 3,00    | 6,47   | 15.000 | 55/F  | 100       | 64       |



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