

IMPIEGO. La forma costruttiva di questi ventilatori dotati di ampio bocchaglio in aspirazione consente di superare gli odierni problemi di rumorosità negli ambienti industriali di lavoro. Vengono particolarmente usati per l'aspirazione di aria polverosa ed umida, fumi di vapori e di combustione (centrali termiche, fonderie, falegnamerie, cartiere, essiccatoi, industrie chimiche, ceramiche e marmistiche). Trovano impiego nelle applicazioni per radiatori, aerotermini, torri di raffreddamento e nella ventilazione per la dispersione del calore nei trasformatori. Utilissimi durante la stagione estiva in locali in cui necessitano ricambi d'aria atti a conservare un ambiente arieggiato e salutare. Temperatura d'esercizio: - 20 °C + 40 °C.

DESCRIZIONE COSTRUTTIVA. Accoppiamento diretto. La cassa convogliatrice viene costruita in robusta lamiera di acciaio Fe 360 B con ampio bocchaglio aspirante, flangia secondo norme DIN 24154. La girante formata da bussola conica di bloccaggio in ghisa, calotta stampata in acciaio Fe 360 B, pale a profilo alare in lega di alluminio regolabili da fermo, è equilibrata dinamicamente secondo il grado 4. La verniciatura dei particolari in lamiera viene effettuata mediante immersione in bagno elettrolitico e successiva cottura in forno (+ 180 °C).

MOTORE. Il motore è trifase, 220/380V, 50 Hz, forma B5 o B14 (vedi tabella). Per posizione morsettiere vedi disegno; senza calotta e ventola (altre frequenze, tensioni, costruzioni a doppia velocità o antideflagrante verranno fornite su richiesta).

FLUSSO D'ARIA. Nella costruzione di serie è previsto il flusso d'aria B dalla girante al motore.

Ventilatore tipo Fan type Ventilateur typ Ventilator typ	Grandezza motori con flangia richiesta Required motors with flange motorsize Grandeur moteurs avec bride demandée Größe Motoren mit Flansch auf Wunsch					
ESR 560/P						132 - B14
ESR 630/Q				132 - B5	160 - B14	180 - B14
ESR 710/P				160 - B5	180 - B5	200 - B5
ESR 800/P			132 - B5	160 - B5		
ESR 900/P			132 - B5	160 - B5	180 - B5	200 - B5

USE. This series is particularly suitable for the removal of air, fumes and gases (foundries, woodworks, paper mills, heating plants, drying plants, chemical industries).

WORKING TEMPERATURE. - 20 °C + 40 °C.

CONSTRUCTION. Direct drive. The fan casing is built in hard iron plate Fe360B with inlet nozzle and flange according to DIN24154. The impeller is dynamically balanced according to grade 4. Plate parts are immersed in an electrolytic bath and then baked at 180 °C.

MOTOR. The motor is three-phase, 220/380 V, 50 Hz, B5 or B14 (see table). See Drawing for the positions of the connection box. Without cap and cooling fan, with other frequencies or tensions on demand.

DIRECTION OF THE AIR. Normally supplied with the air flowing from impeller to motor (B).

UTILISATION. La forme constructive de ces ventilateurs permet de réduire les problèmes causés par le niveau sonore. Le pavillon d'aspiration réduit le niveau sonore et augmente en même temps le rendement. Les ventilateurs de cette série sont utilisés pour l'aspiration d'air poussiéreux et humide, vapeurs, combustions (centrales thermiques, cimenteries, fonderies, menuiseries, industrie chimique, industrie du marbre, séchage etc). Pendant les mois d'été ils sont particulièrement utiles pour l'aération des locaux, et ils permettent des conditions meilleures de travail.

TEMPÉRATURE D'EXERCISE. - 20 °C + 40 °C.

CONSTRUCTION. Accouplement direct. La virole est construite en tôle d'acier Fe360B, avec pavillon à l'aspiration et bride suivant norme DIN 24154. La turbine équilibrée dynamiquement en grade 4 possède un moyeu forgé en acier Fe360B avec manchon conique en fonte et des pales en aluminium réglables à l'arrêt. Toutes les pièces en acier sont peintes par électrophorèse.

MOTEUR. Le moteur est triphasé, 220/380 Volt, 50 Hz, forme B5 ou B14 (voir tableau). Pour la position des boîtes à bornes voir plan.

FLUX DE L'AIR. Normalement nous fournissons les ventilateurs avec le flux d'air qui va de la roue au moteur (flux B).

Ventilatore tipo Fan type Ventilateur typ Ventilator typ	Grandezza motori con flangia richiesta Required motors with flange motorsize Grandeur moteurs avec bride demandée Größe Motoren mit Flansch auf Wunsch						
ESR 1000/P	132 - B5	160 - B5	180 - B5	200 - B5	225 - B5		
ESR 1120/P	160 - B5	180 - B5	200 - B5	225 - B5	250 - B3/B5	280 - B3/B5	
ESR 1250/P		200 - B5	225 - B5	250 - B3/B5	280 - B3/B5	315 - B3/B5	
ESR 1400/P			225 - B5	250 - B3/B5	280 - B3/B5	315 - B3/B5	
ESR 1600/P				280 - B3/B5	315 - B3/B5		

ANWENDUNG. Diese Serie eignet sich besonders zur Absaugung von Reinluft, Dämpfen und Gasen (hier insbesondere bei staubhaltiger oder sehr feuchter Luft) - z.B.: bei Heizungsanlagen, Gießereien, Schreinereien, Papierfabriken, chemischer Industrie, Ziegel- und Holz Trocknung, Kühlerbau, Kühltürmen sowie Transformatoren. Diese Serie ist besonders geräuscharm.

BETRIEBSTEMPERATUR. 253 K bis 313 K (-20°C - +40°C).

BAUFORM. Direktantrieb, Gehäuse aus Stahl mit serienmäßig tiefgezogener Einströmdüse sowie druckseitigem Flansch nach DIN 24154. Laufrad mit konischer Nabe aus Grauguß sowie mit im Stillstand verstellbaren Flügelprofil-schaufeln. Alle Laufräder sind präzise dynamisch ausgewuchtet.

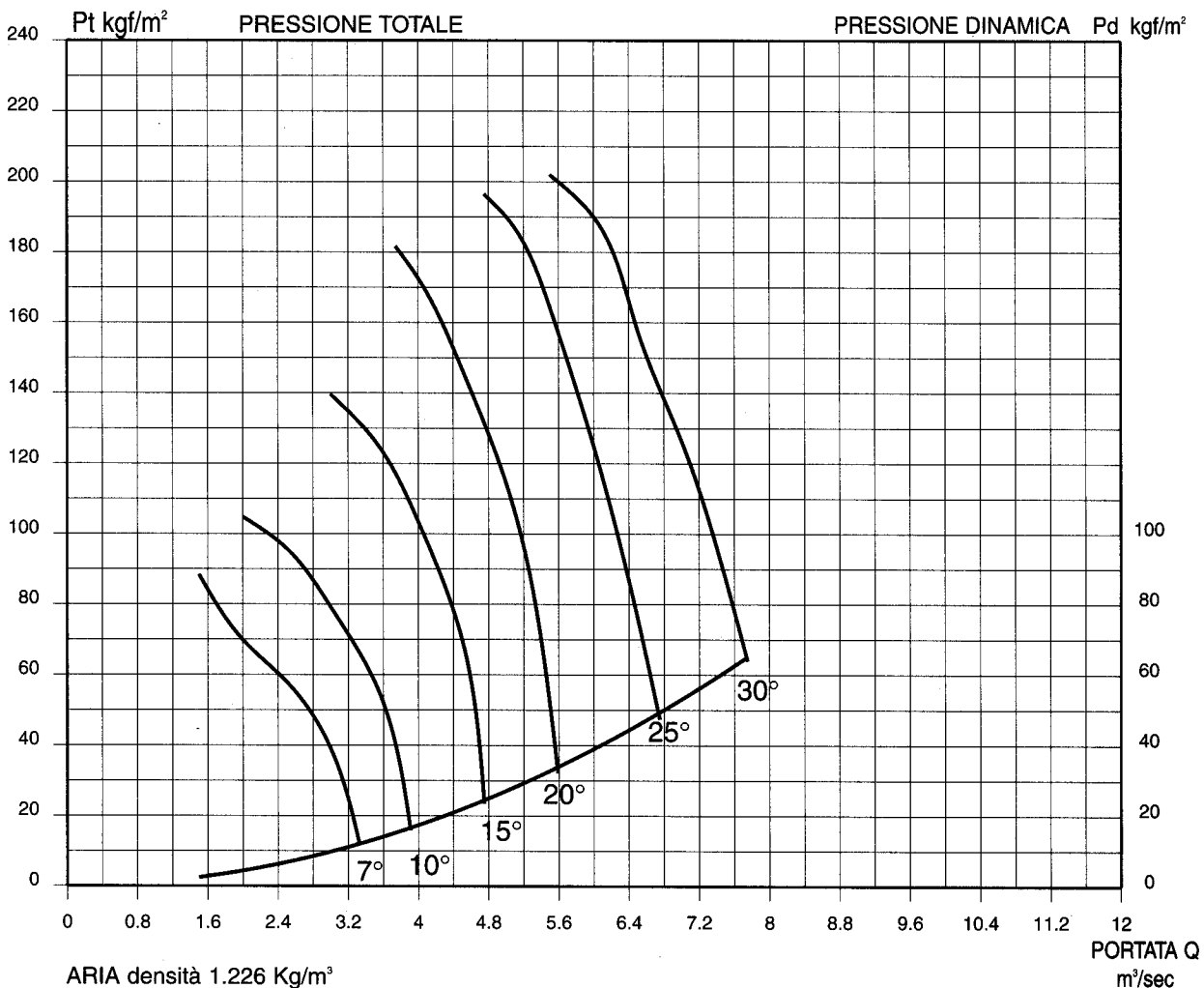
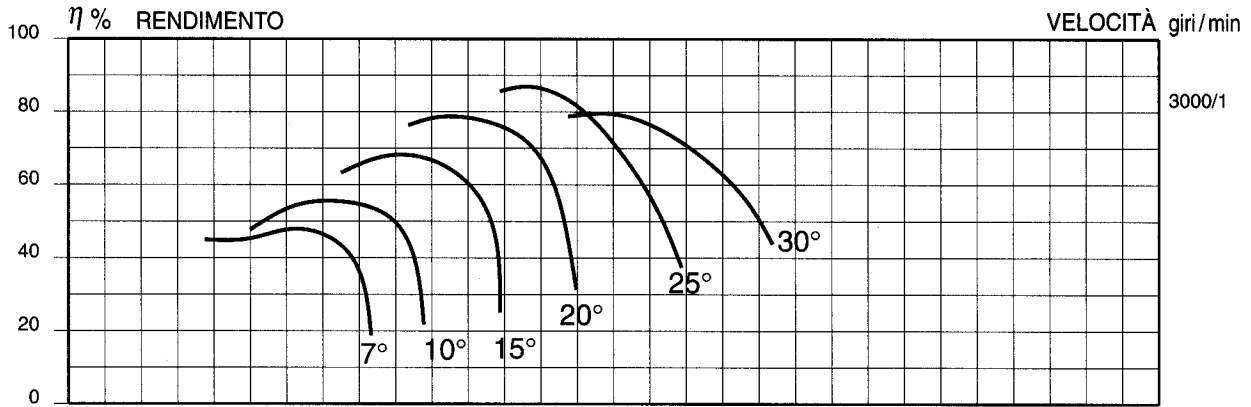
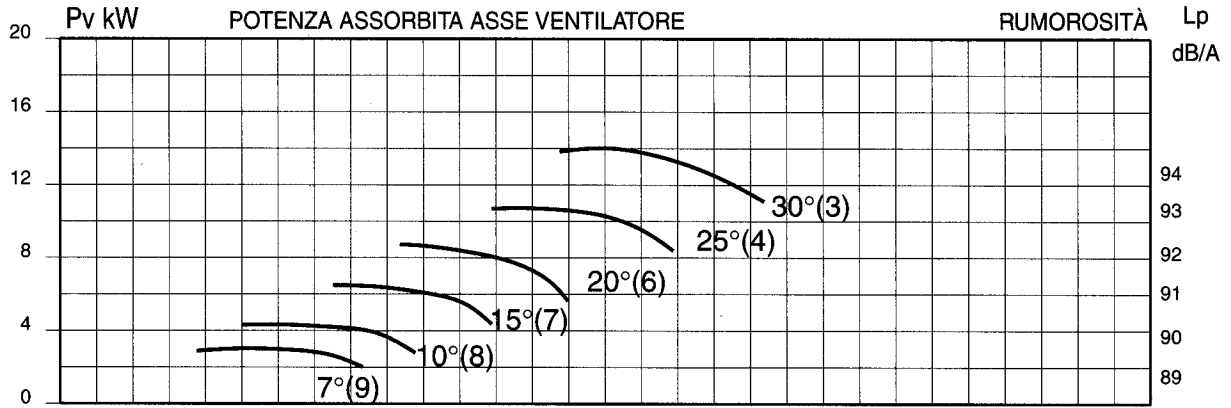
MOTOR. Drei Phasen, 220/380 Volt, 50 Hz, Bauart B5 oder B14 ohne Haube und Kühlflügel. Andere Spannungen und Frequenzen sowie Sonderausführungen auf Anfrage.

LUFTRICHTUNG. Normalerweise wird er mit luftstroemung von der laufrad am motor geliefert.

ELVE ESR 569-568-567-566-564-563/P 5A/B

Potenza installata 4-5.5-7.5-9-11-15 kW

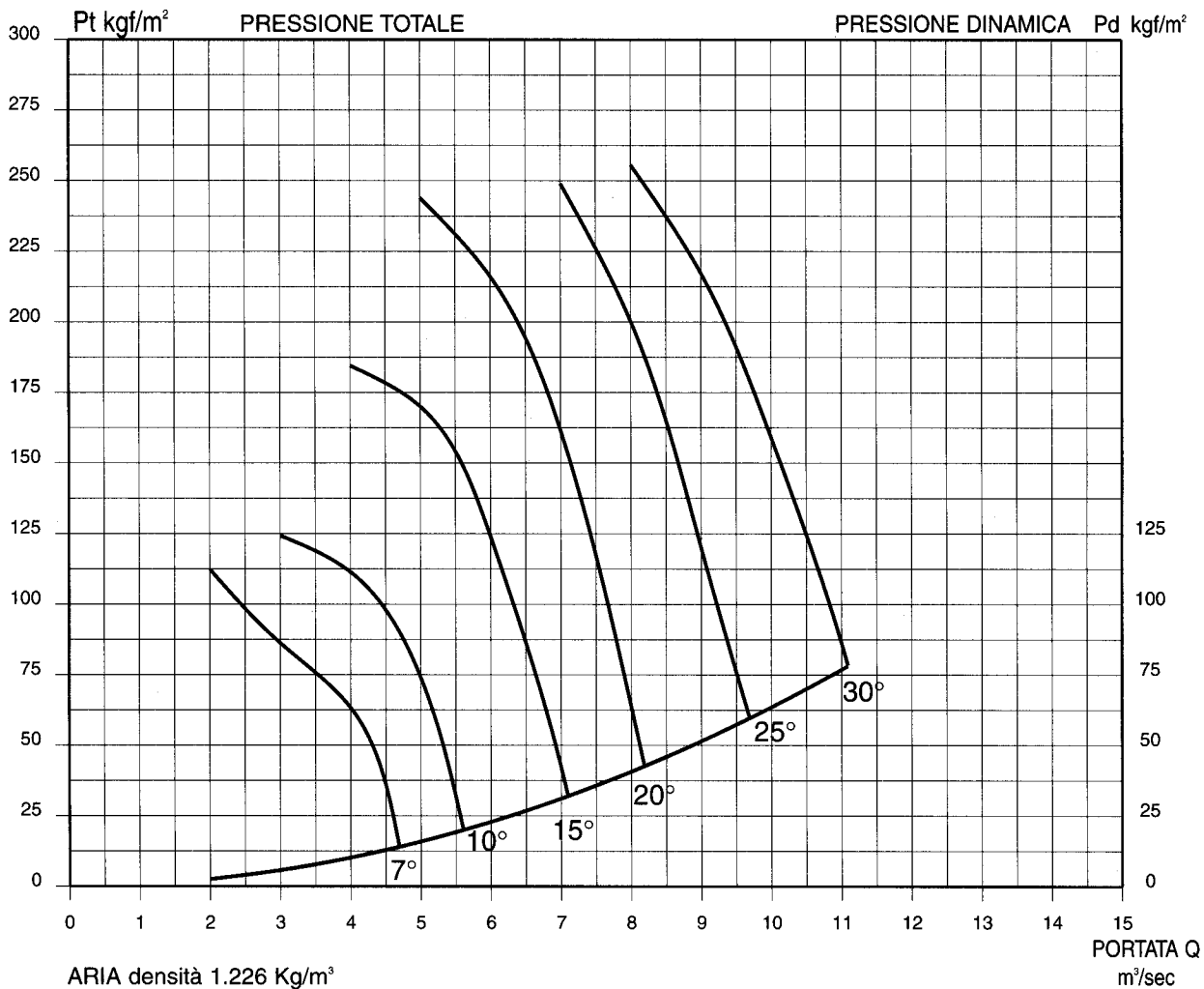
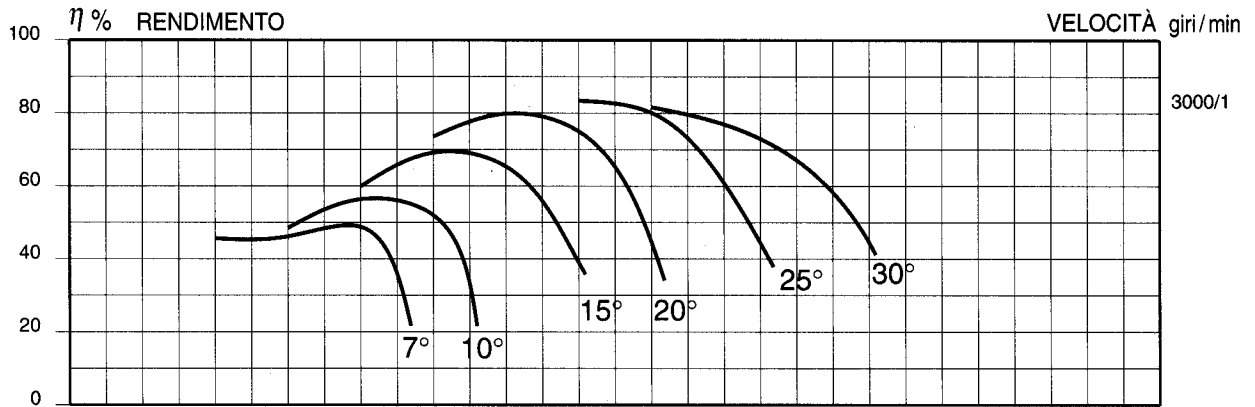
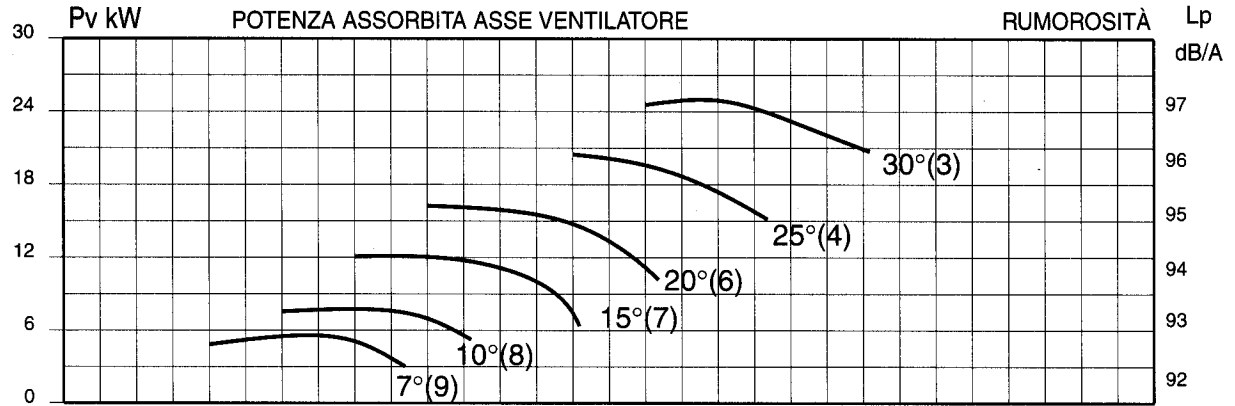
Diagramma di funzionamento in PREMENTE - Diametro girante 560 mm



ELVE ESR 639-638-637-636-634-633/Q 5A/B

Potenza installata 7.5-9-15-18.5-22-30 kW

Diagramma di funzionamento in PREMENTE - Diametro girante 630 mm

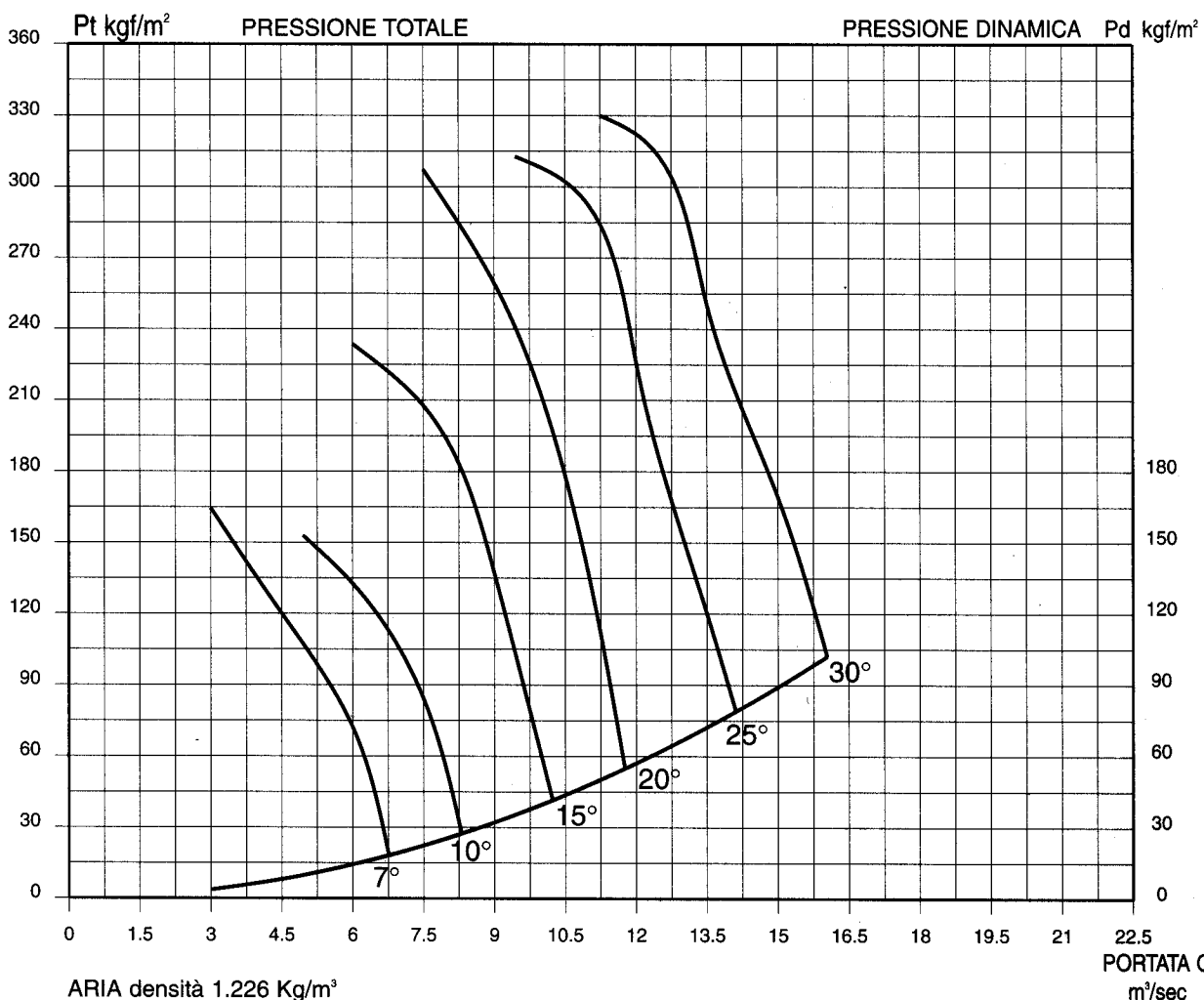
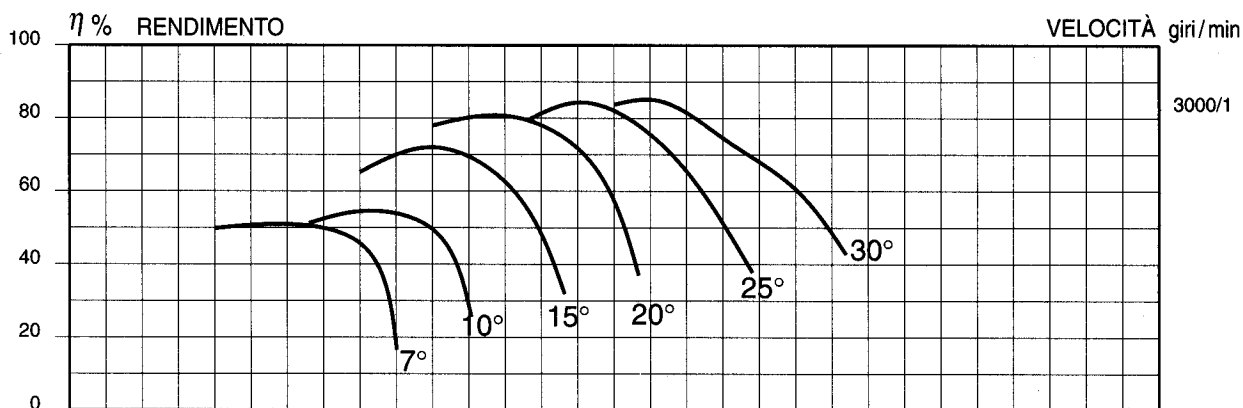
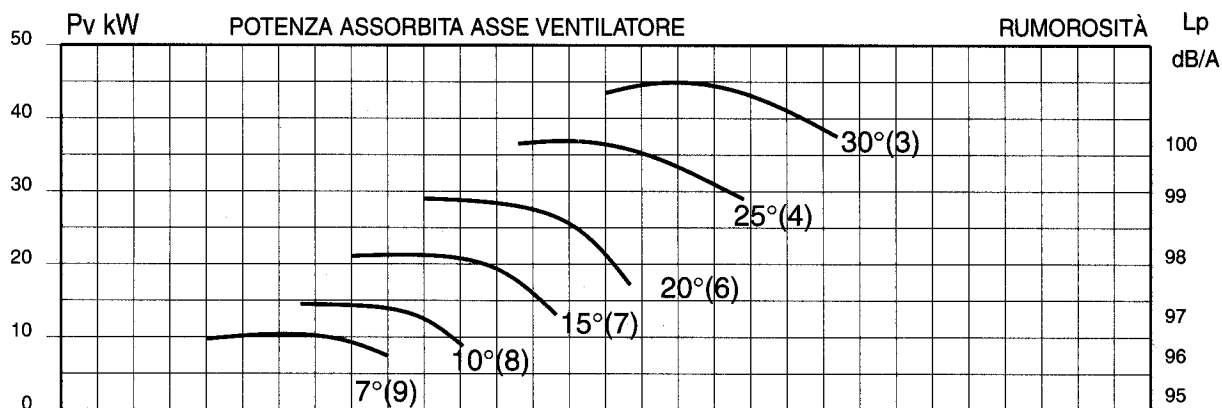


ELVE ESR 719-718-717-716-714-713/P 5A/B

Potenza installata 15-18.5-22-30-37-45 kW



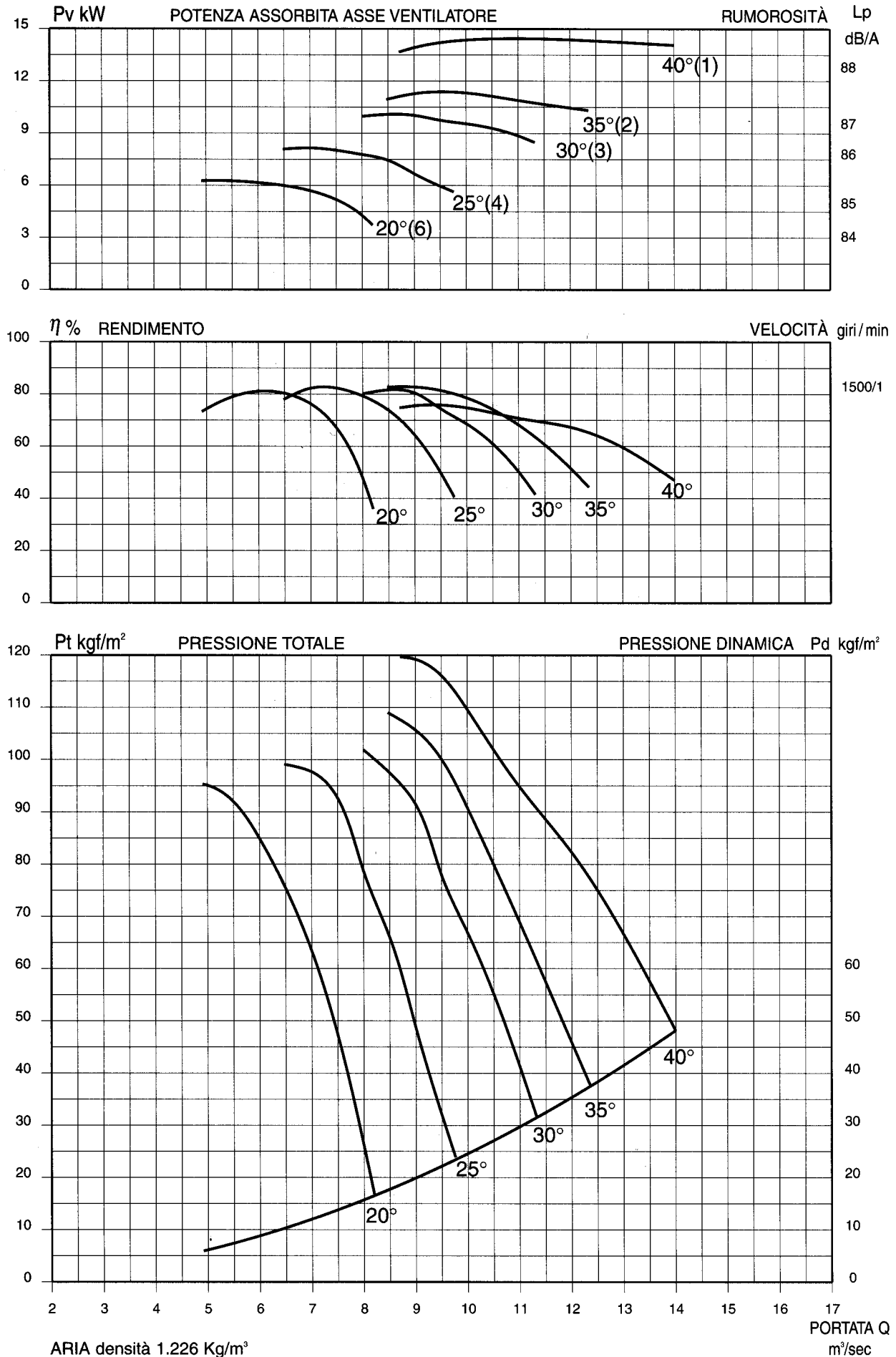
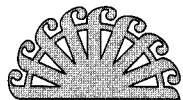
Diagramma di funzionamento in PREMENTE - Diametro girante 710 mm



ELVE ESR 806-804-803-802-801/P 5A/B

Potenza installata 7.5-9-11-15-15 kW

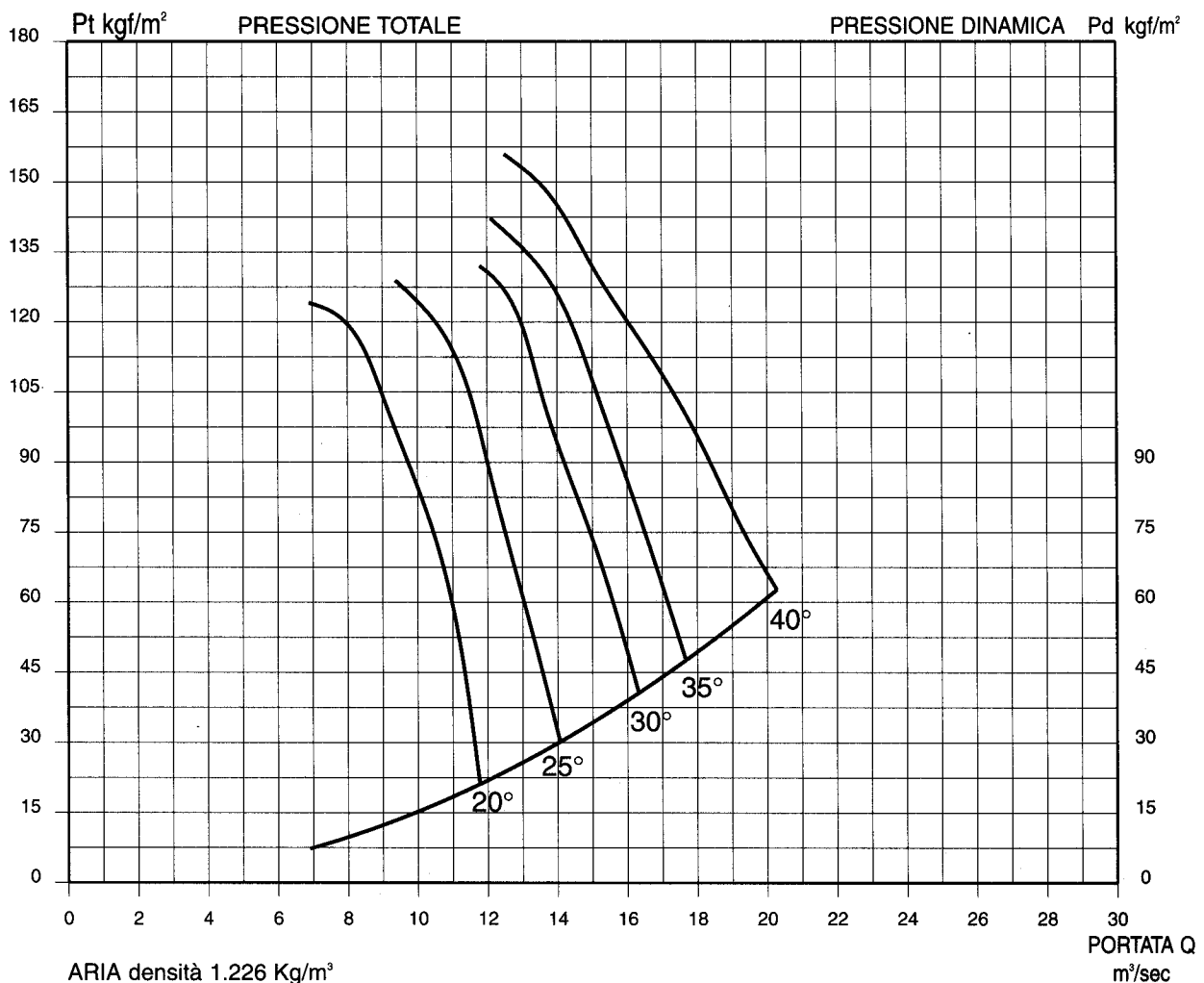
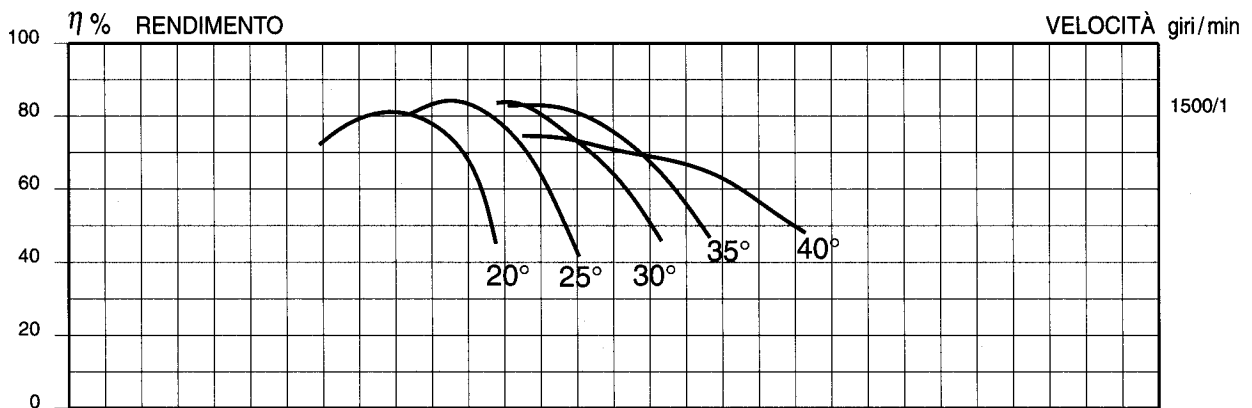
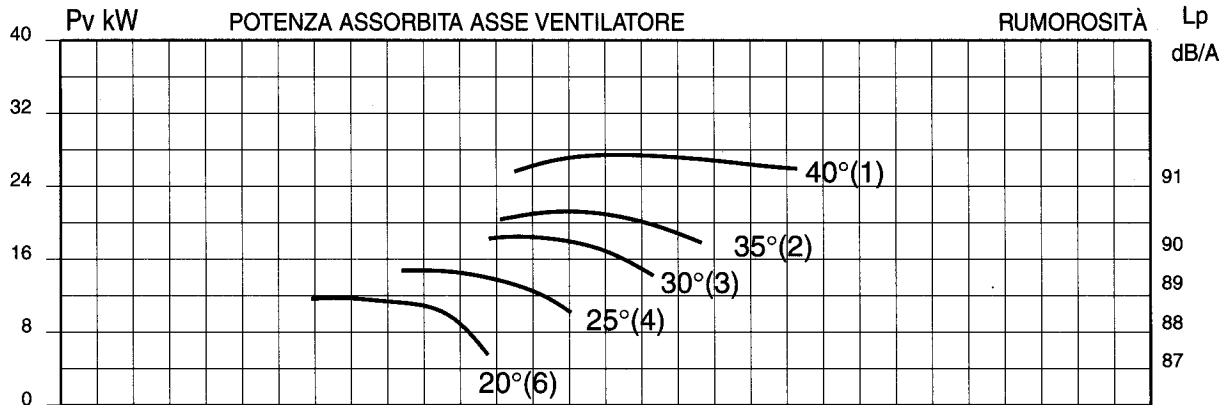
Diagramma di funzionamento in PREMENTE - Diametro girante 800 mm



ELVE ESR 906-904-903-902-901/P 5A/B

Potenza installata 11-15-18.5-22-30 kW

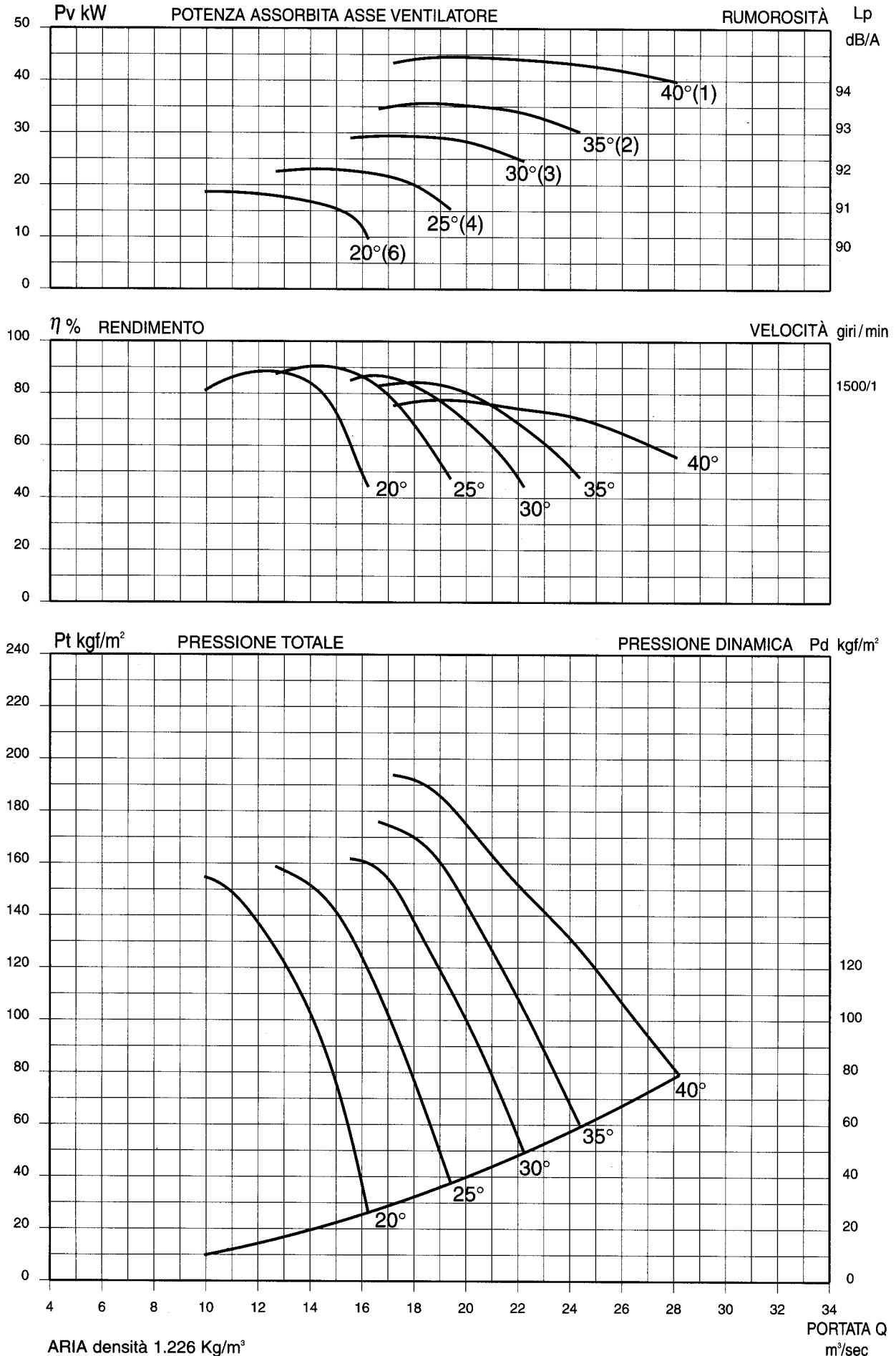
Diagramma di funzionamento in PREMENTE - Diametro girante 900 mm



ELVE ESR 1006-1004-1003-1002-1001/P 5A/B

Potenza installata 18.5-22-30-37-45 kW

Diagramma di funzionamento in PREMENTE - Diametro girante 1000 mm

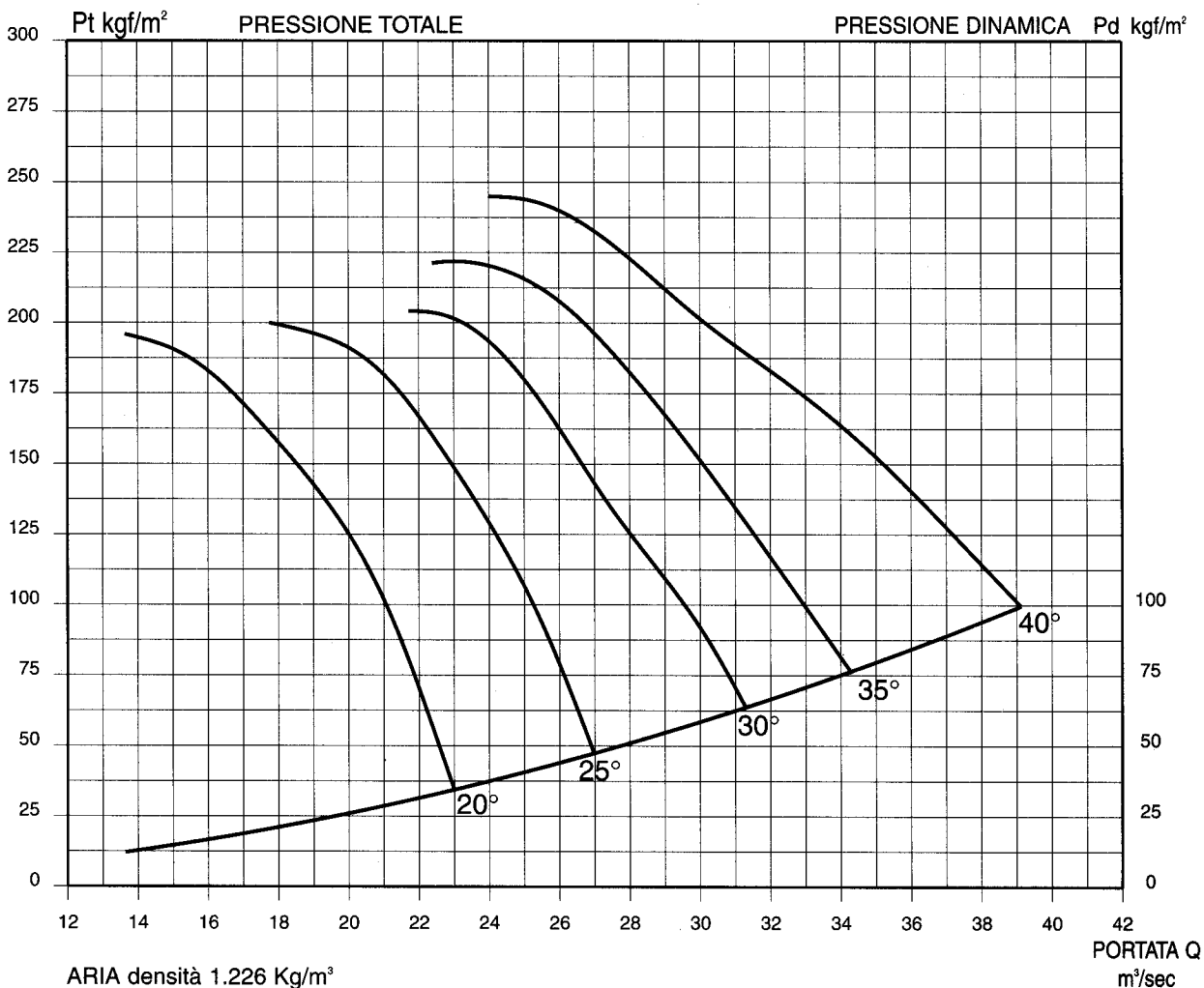
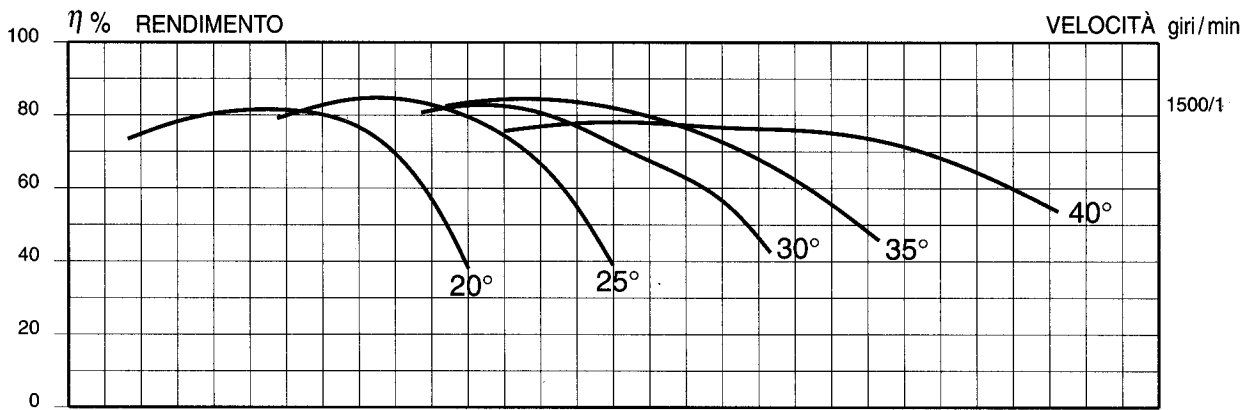
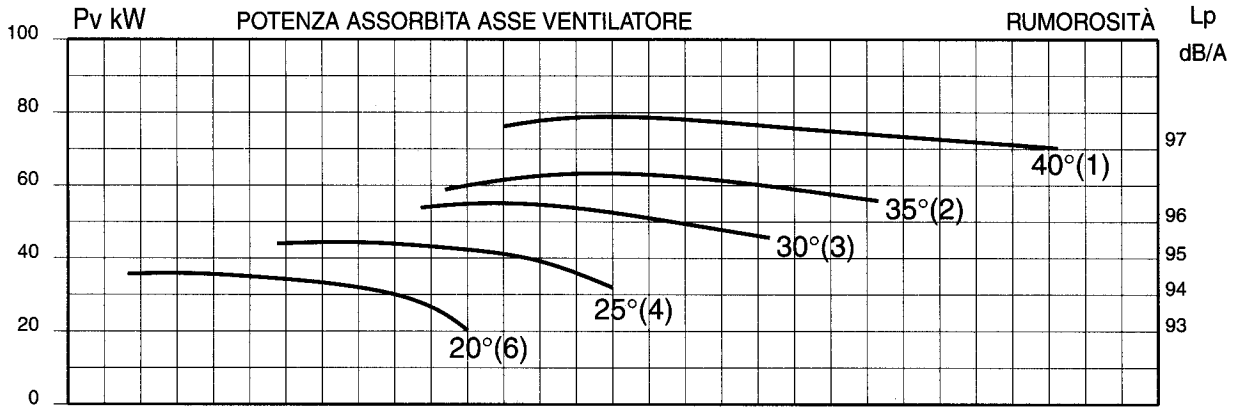


ELVE ESR 1126-1124-1123-1122-1121/P 5A/B

Potenza installata 37-45-55-75-90 kW



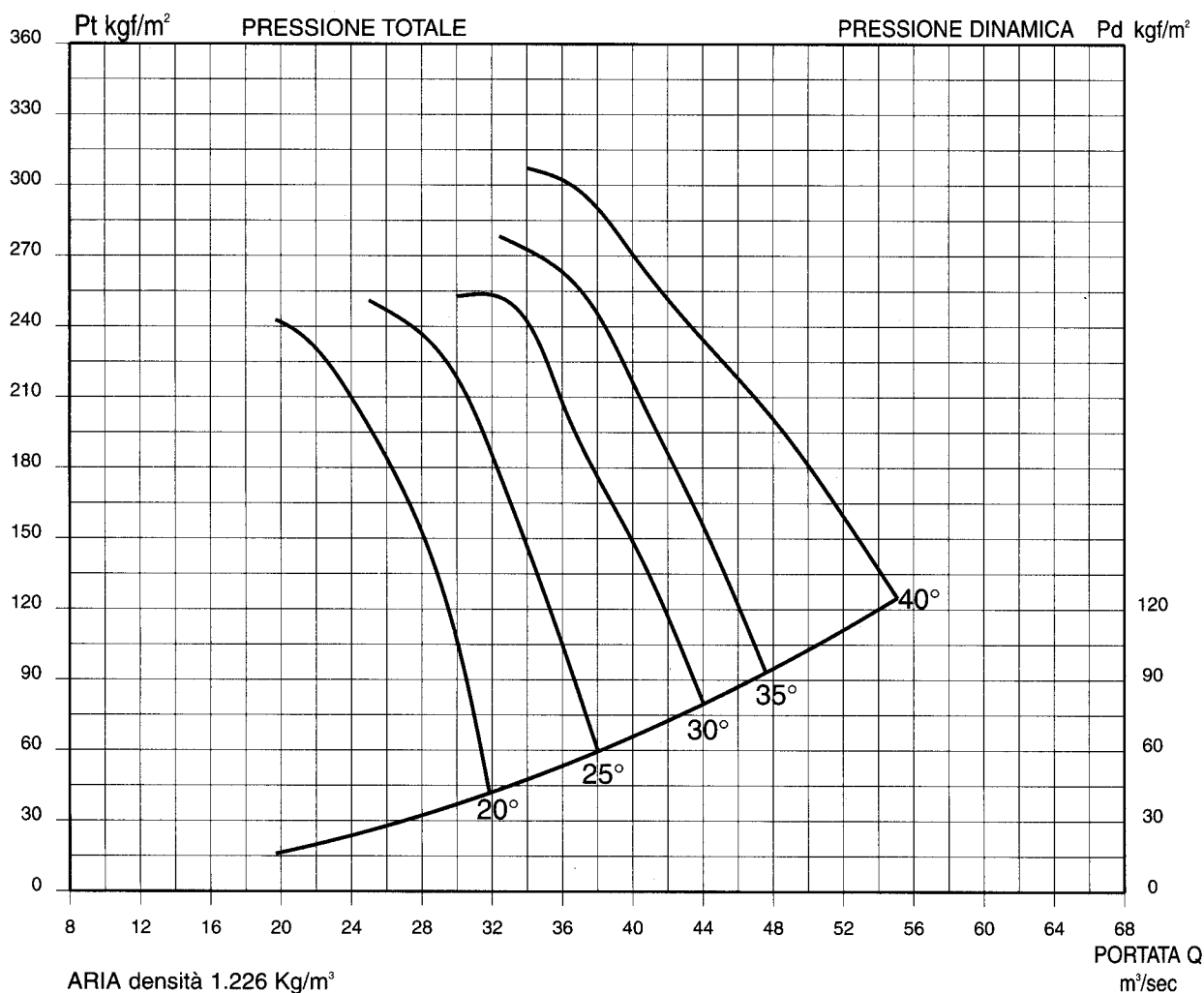
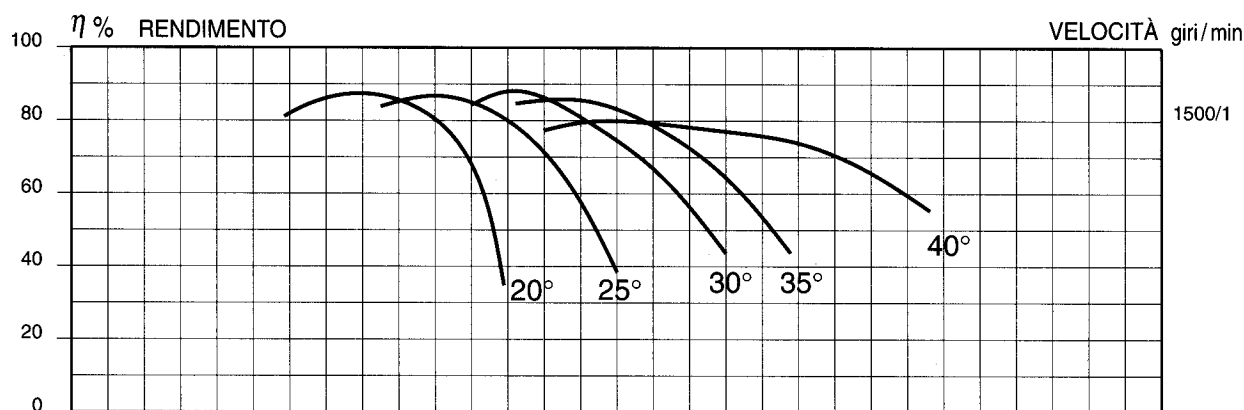
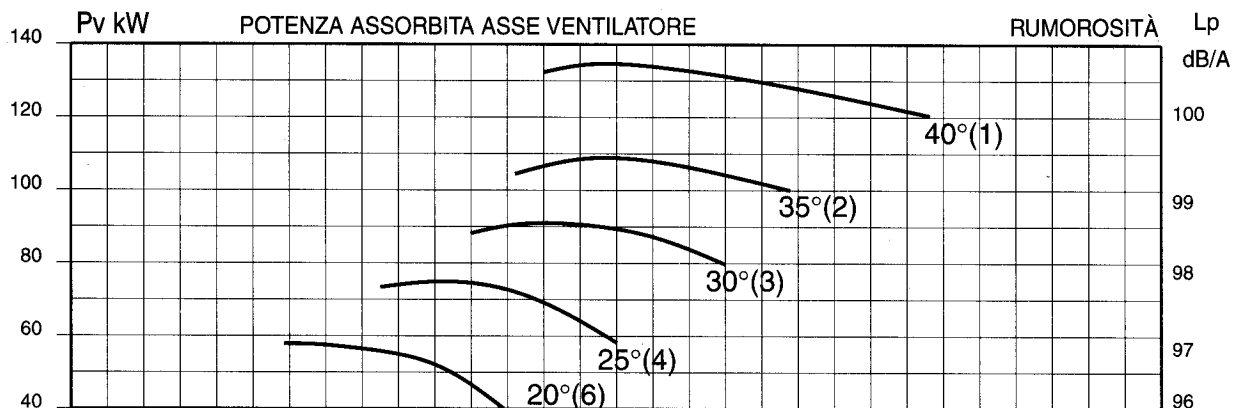
Diagramma di funzionamento in PREMENTE - Diametro girante 1120 mm



ELVE ESR 1256-1254-1253-1252-1251/P 5A/B

Potenza installata 55-75-90-110-132 kW

Diagramma di funzionamento in PREMENTE - Diametro girante 1250 mm

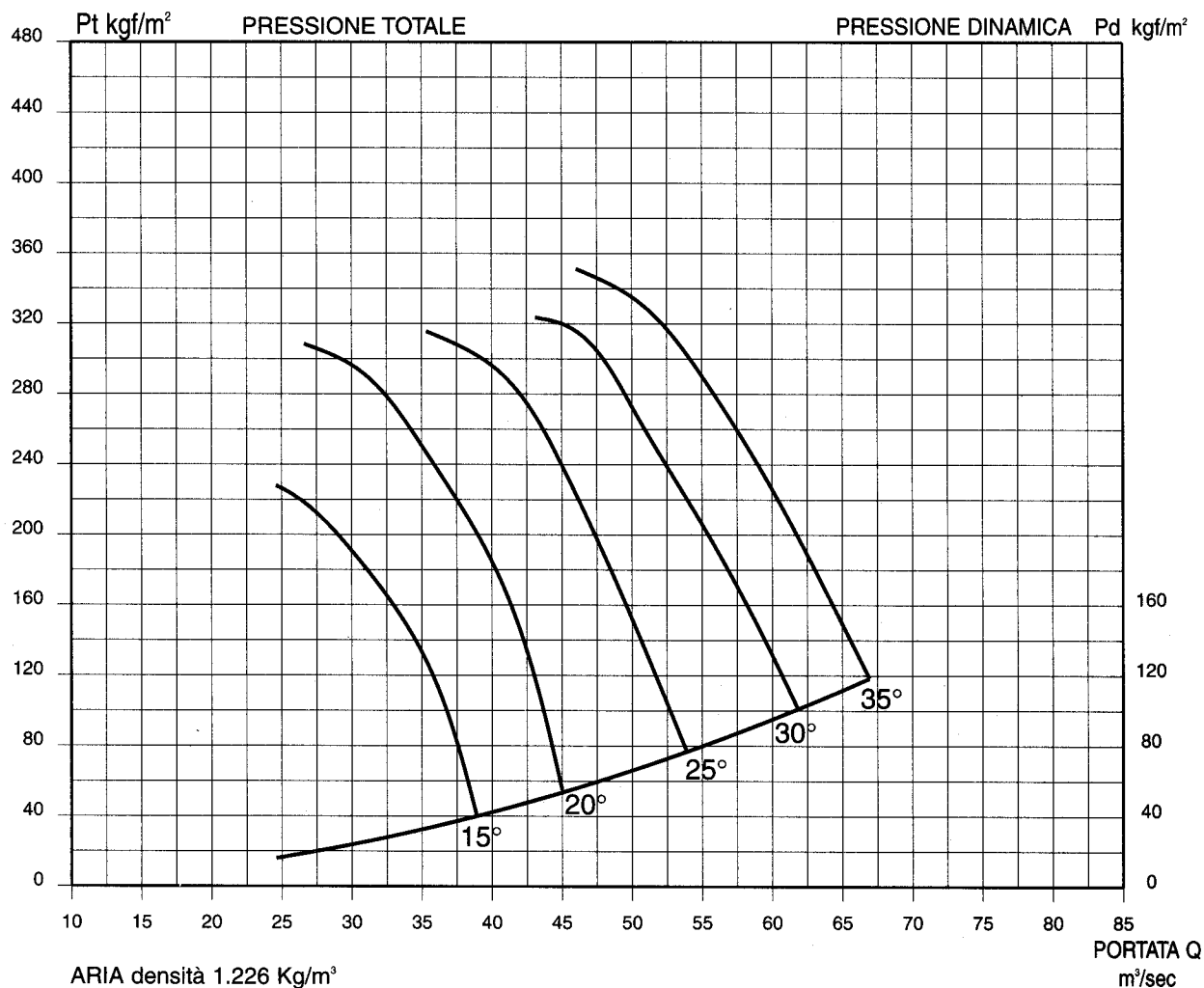
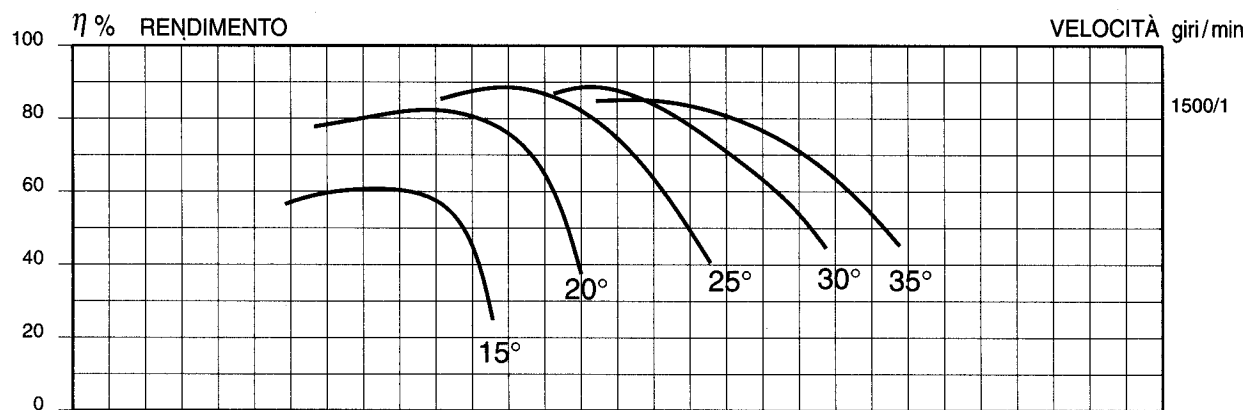
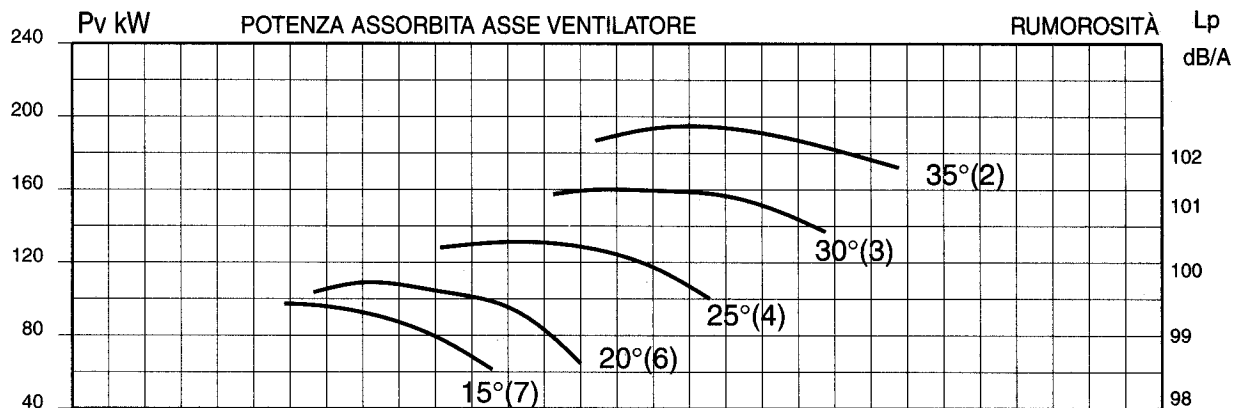


ELVE ESR 1407-1406-1404-1403-1402/P 5A/B

Potenza installata 90-110-132-160-200 kW



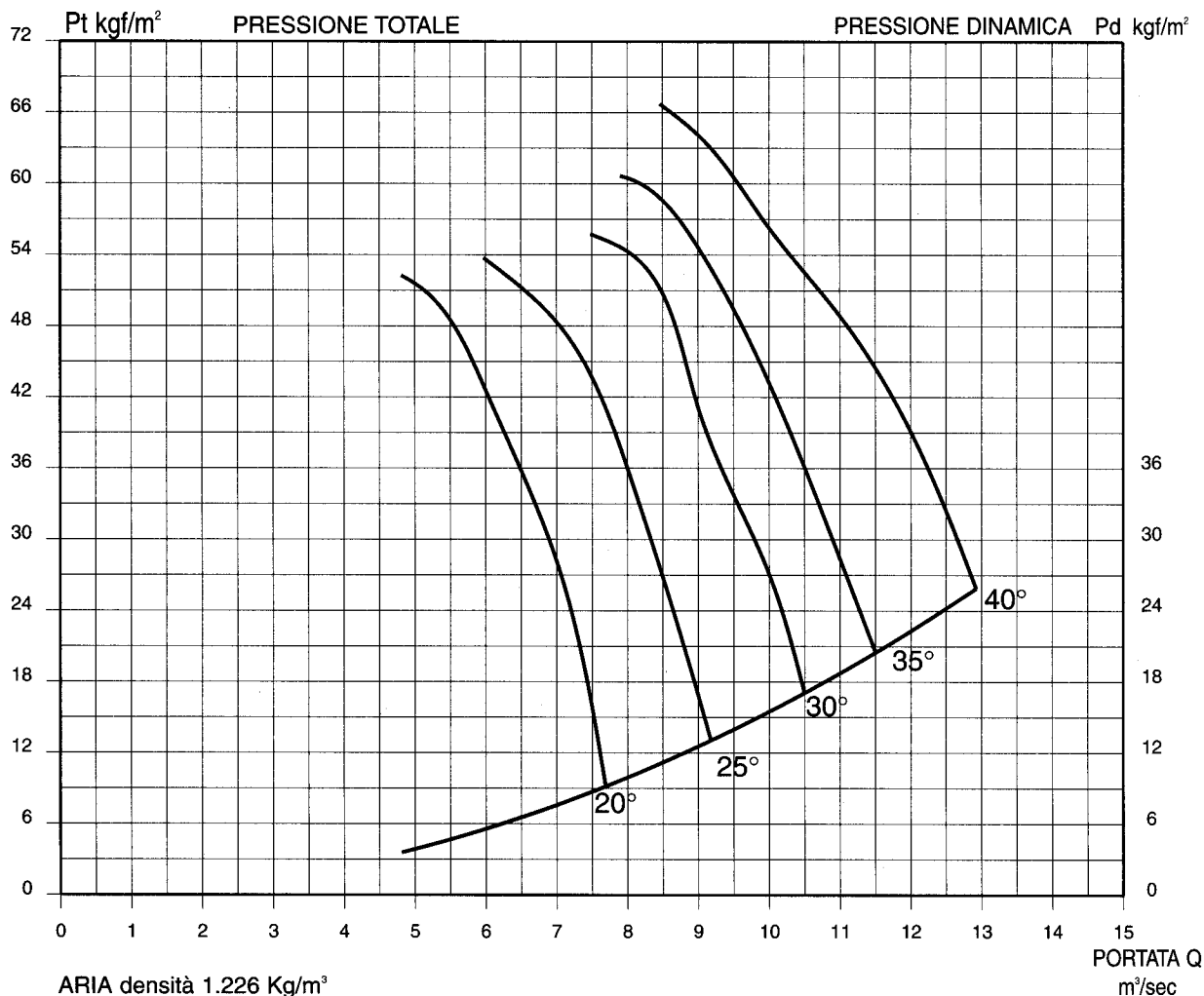
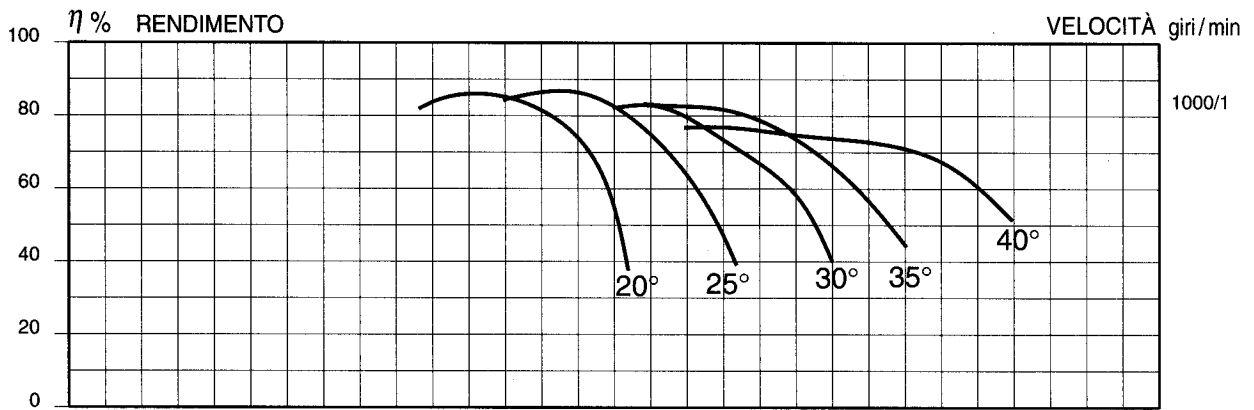
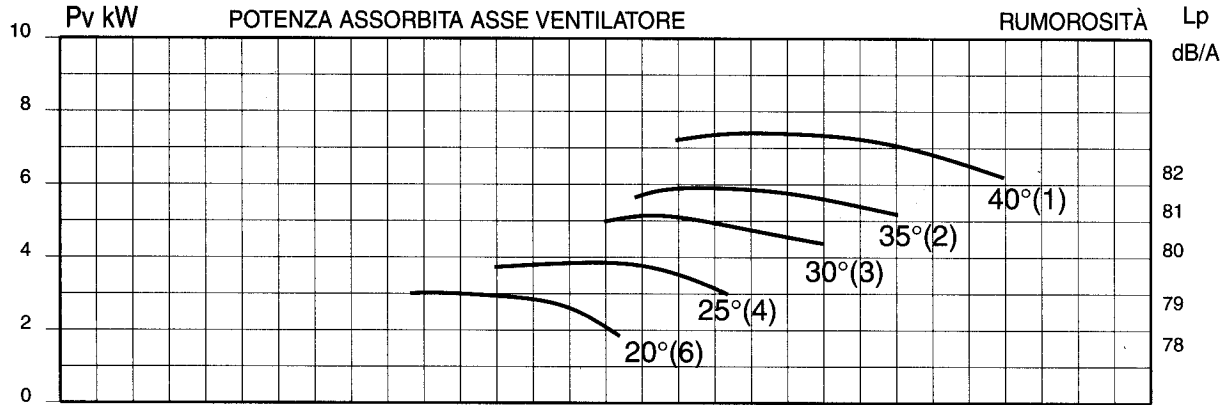
Diagramma di funzionamento in PREMENTE - Diametro girante 1400 mm



ELVE ESR 906-904-903-902-901/P 5A/B

Potenza installata 3-4-5.5-7.5-7.5 kW

Diagramma di funzionamento in PREMENTE - Diametro girante 900 mm

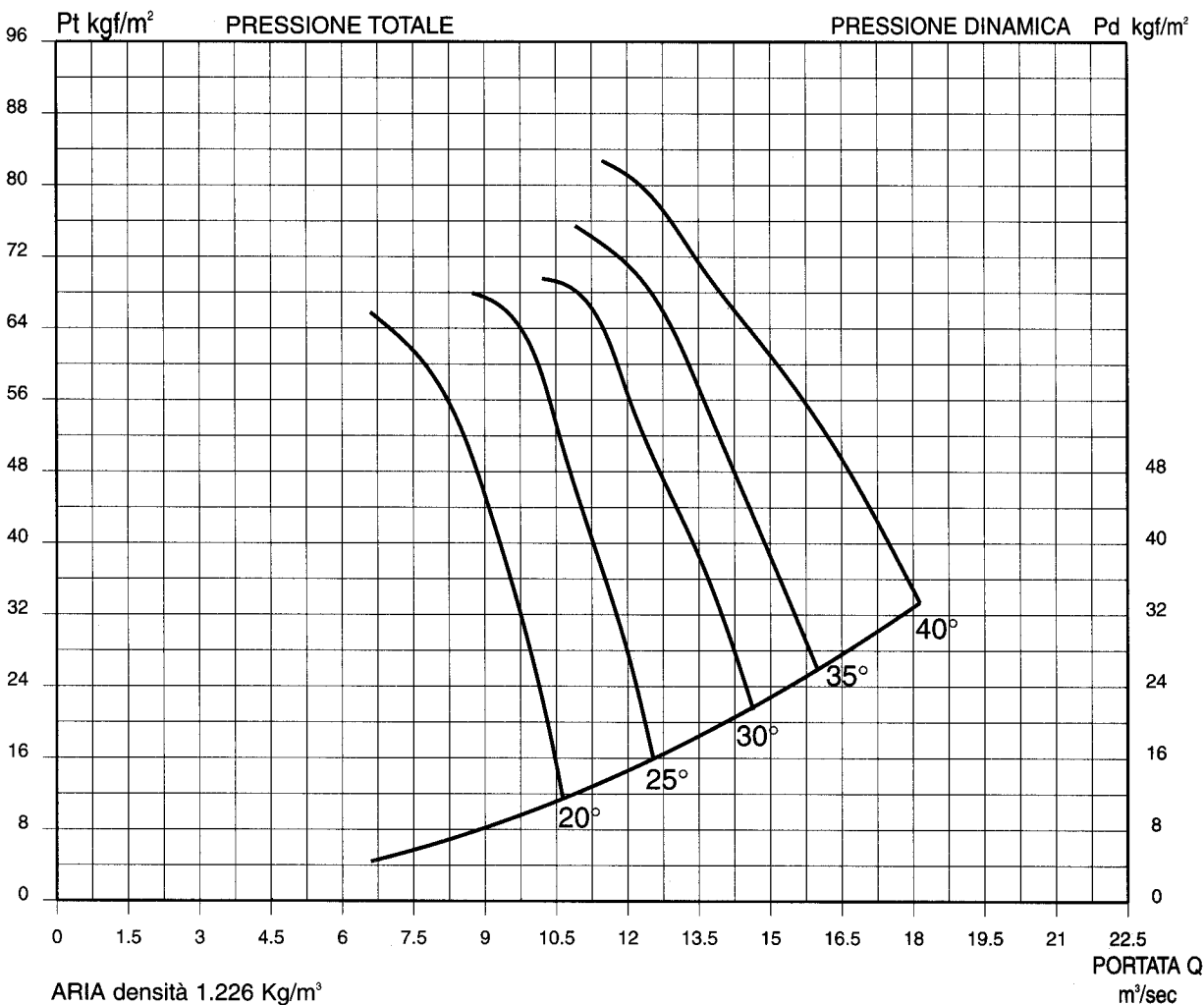
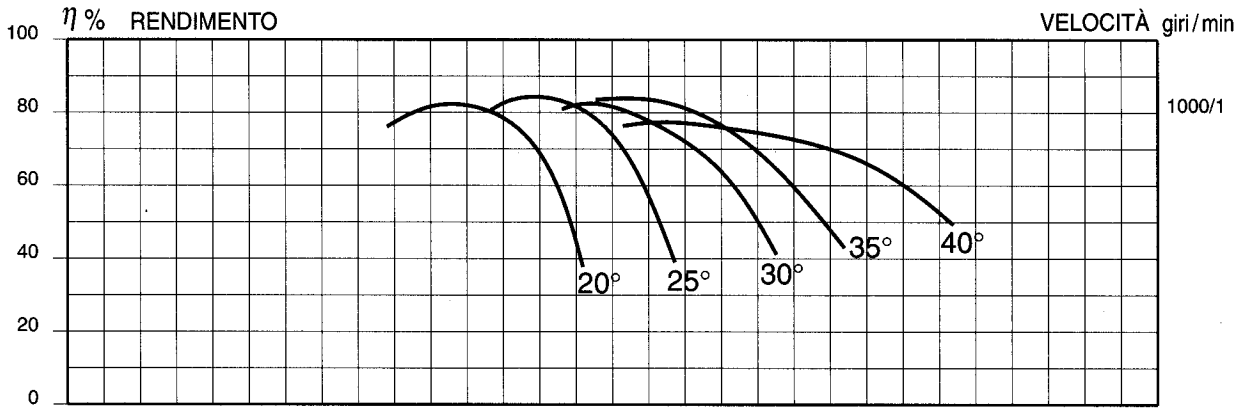
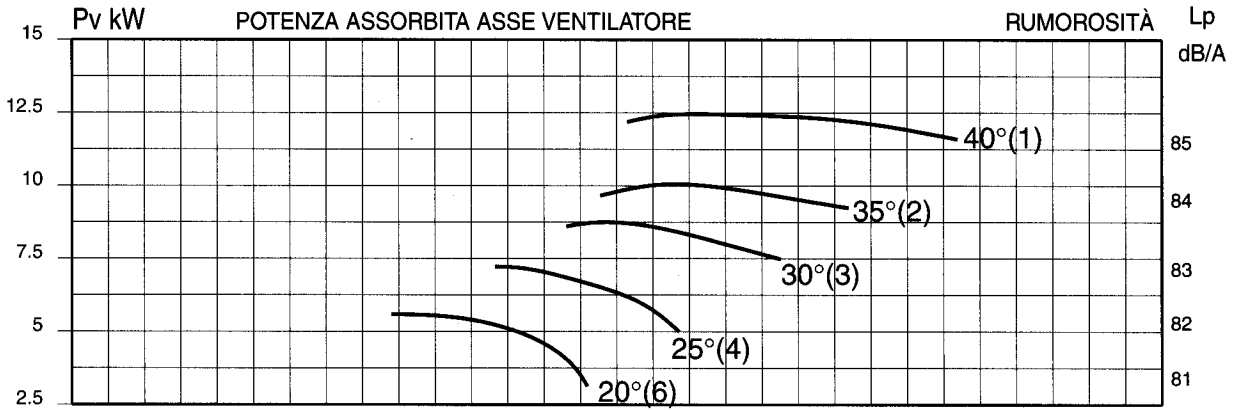


ELVE ESR 1006-1004-1003-1002-1001/P 5A/B

Potenza installata 5.5-7.5-11-11-15 kW



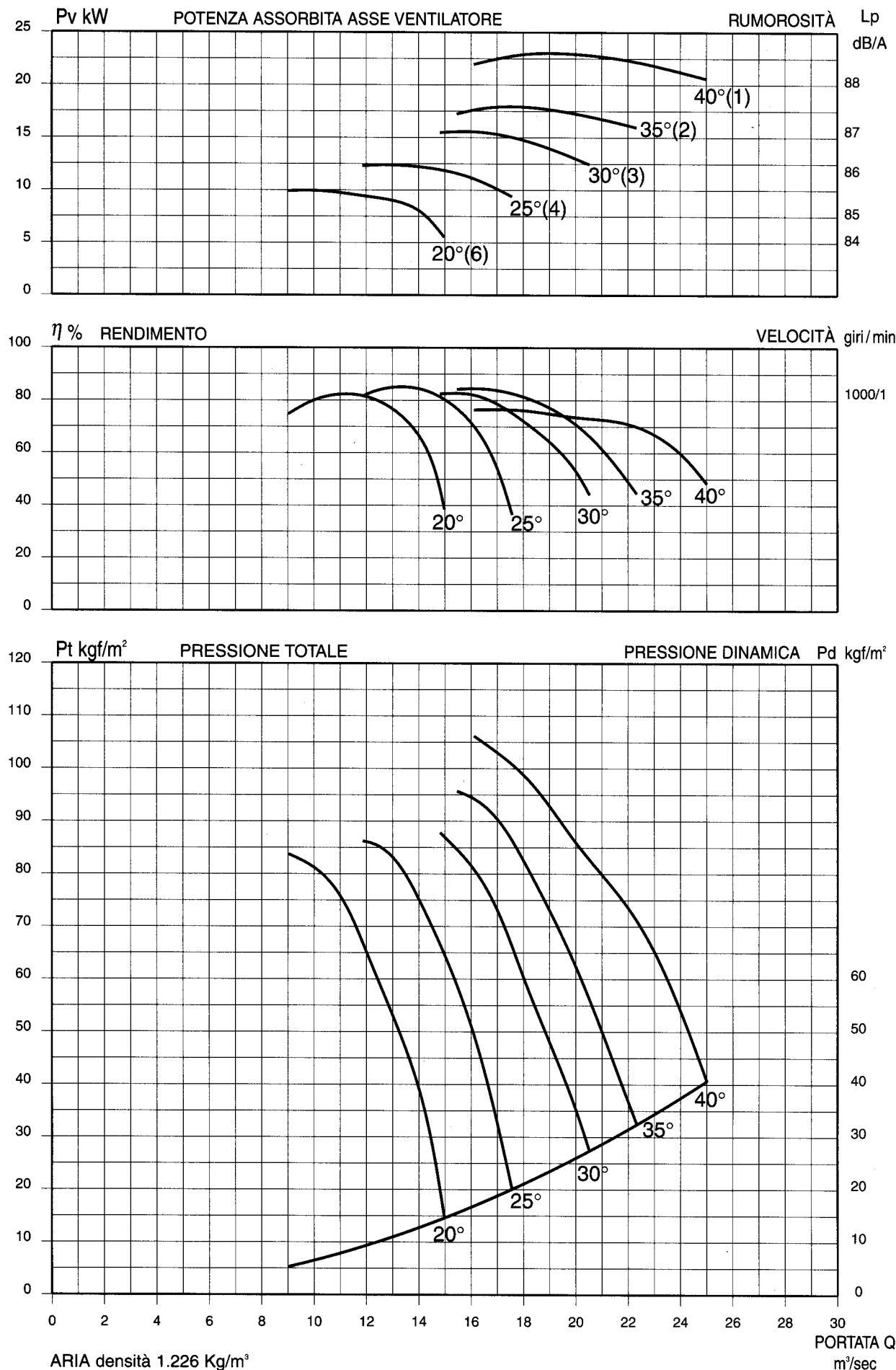
Diagramma di funzionamento in PREMENTE - Diametro girante 1000 mm



ELVE ESR 1126-1124-1123-1122-1121/P 5A/B

Potenza installata 11-15-18.5-22-30 kW

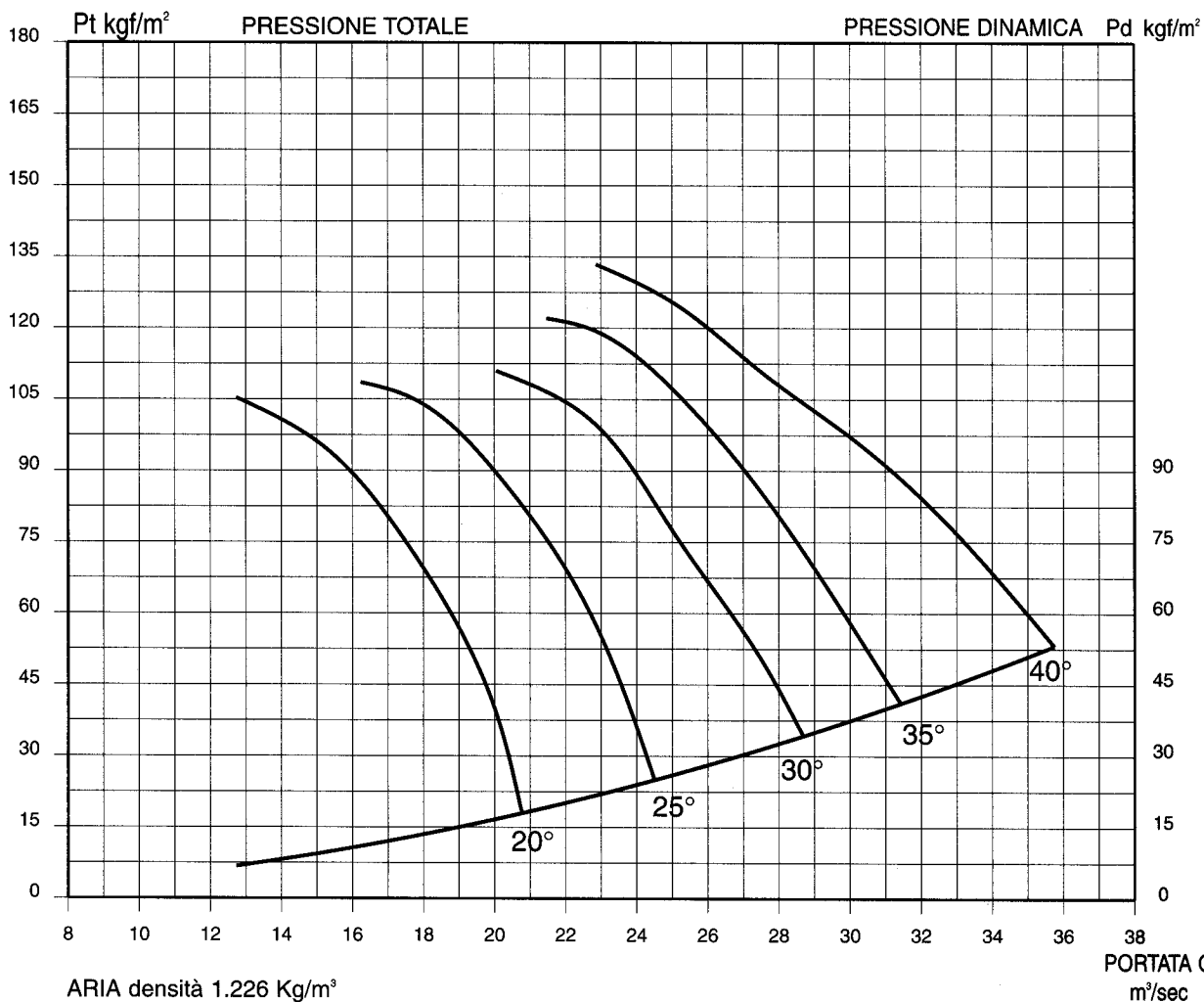
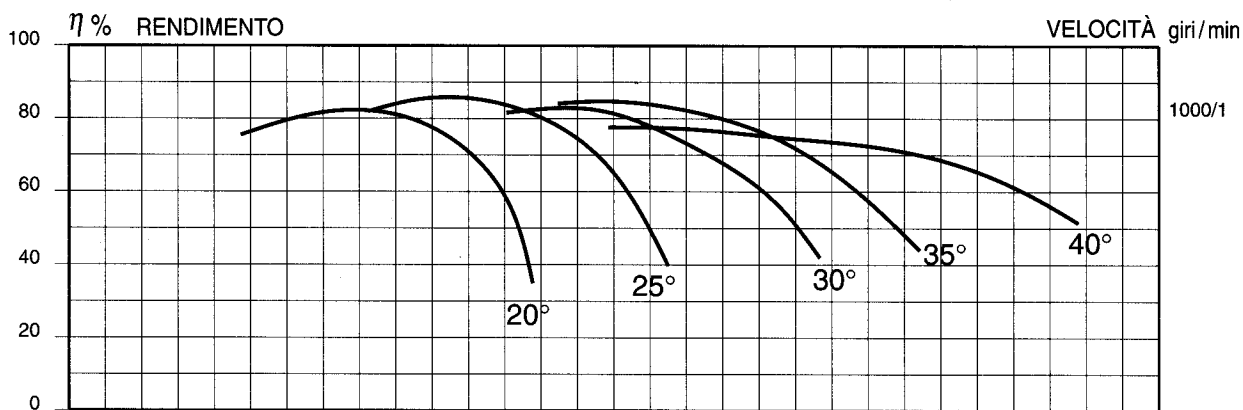
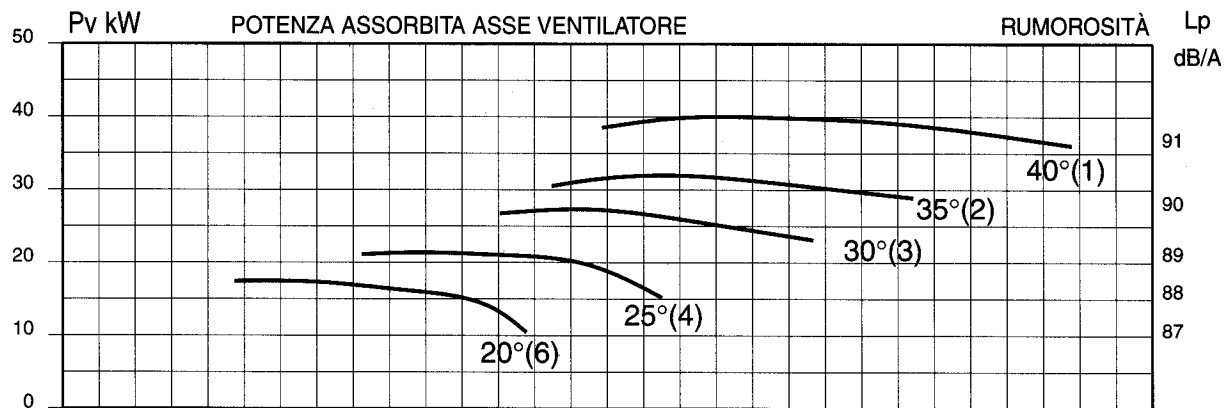
Diagramma di funzionamento in PREMENTE - Diametro girante 1120 mm



ELVE ESR 1256-1254-1253-1252-1251/P 5A/B

Potenza installata 18.5-22-30-37-45 kW

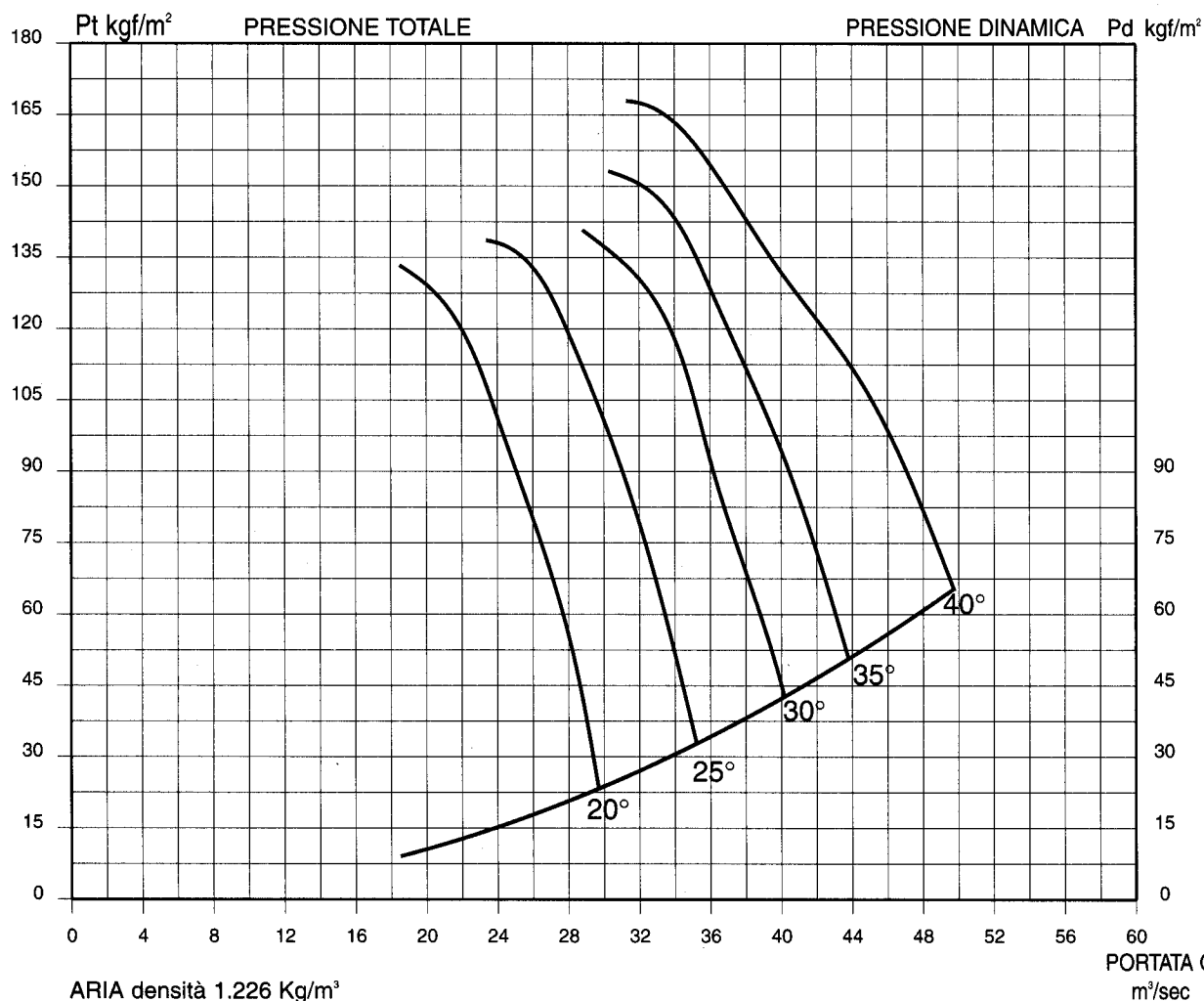
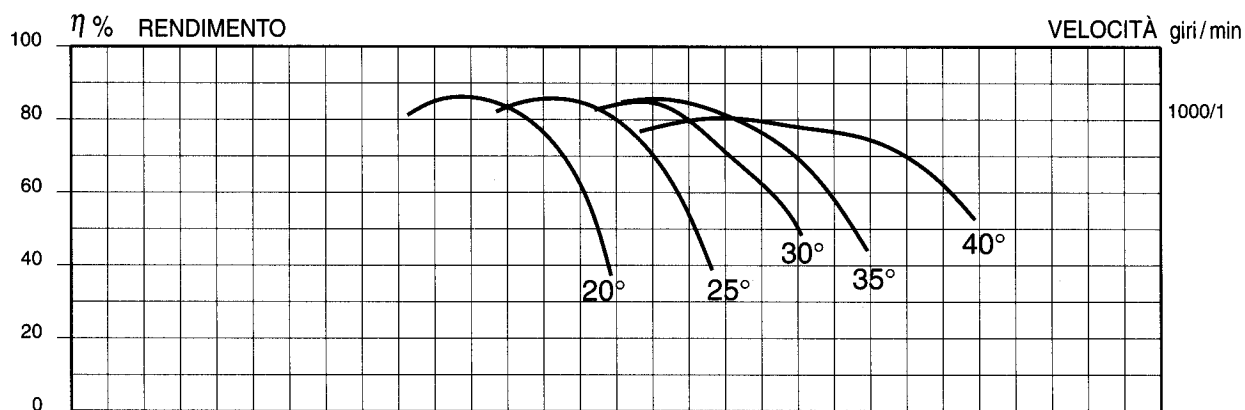
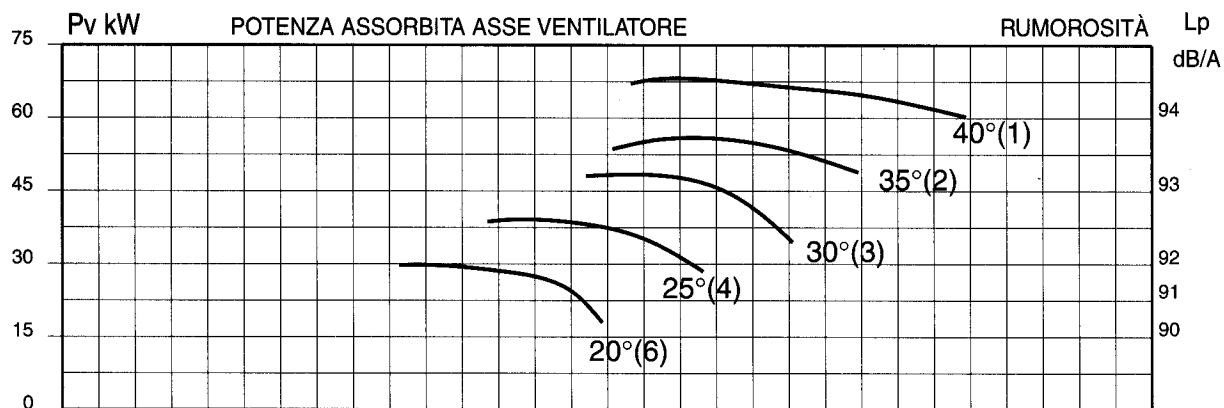
Diagramma di funzionamento in PREMENTE - Diametro girante 1250 mm



ELVE ESR 1406-1404-1403-1402-1401/P 5A/B

Potenza installata 30-37-45-55-75 kW

Diagramma di funzionamento in PREMENTE - Diametro girante 1400 mm



ELVE ESR 1606-1604-1603-1602-1601/P 5A/B

Potenza installata 55-75-90-110-132 kW



Diagramma di funzionamento in PREMENTE - Diametro girante 1600 mm

